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NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	SEP 01	New pricing for the Save Answers for SciFinder Wizard within STN Express with Discover!
NEWS	4	OCT 28	KOREAPAT now available on STN
NEWS	5	NOV 30	PHAR reloaded with additional data
NEWS	6	DEC 01	LISA now available on STN
NEWS	7	DEC 09	12 databases to be removed from STN on December 31, 2004
NEWS	8	DEC 15	MEDLINE update schedule for December 2004
NEWS	9	DEC 17	ELCOM reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	10	DEC 17	COMPUAB reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	11	DEC 17	SOLIDSTATE reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	12	DEC 17	CERAB reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	13	DEC 17	THREE NEW FIELDS ADDED TO IFIPAT/IFIUDB/IFICDB
NEWS	14	DEC 30	EPFULL: New patent full text database to be available on STN
NEWS	15	DEC 30	CAPLUS - PATENT COVERAGE EXPANDED
NEWS	16	JAN 03	No connect-hour charges in EPFULL during January and February 2005
NEWS	17	FEB 25	CA/CAPLUS - Russian Agency for Patents and Trademarks (ROSPATENT) added to list of core patent offices covered
NEWS	18	FEB 10	STN Patent Forums to be held in March 2005
NEWS	19	FEB 16	STN User Update to be held in conjunction with the 229th ACS National Meeting on March 13, 2005
NEWS	20	FEB 28	PATDPAFULL - New display fields provide for legal status data from INPADOC
NEWS	21	FEB 28	BABS - Current-awareness alerts (SDIs) available
NEWS	22	FEB 28	MEDLINE/LMEDLINE reloaded
NEWS	23	MAR 02	GBFULL: New full-text patent database on STN
NEWS EXPRESS			JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005
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FULL ESTIMATED COST	0.21	0.21

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=> s (shinmyo, a? or shinmayo a?)/au
L1 475 (SHINMYO, A? OR SHINMAYO A?)/AU

=> s (shinmyo, a? or shinmyo a?)/au
L2 475 (SHINMYO, A? OR SHINMYO A?)/AU

=> s (kato, k? or kato k?)/au
L3 22059 (KATO, K? OR KATO K?)/AU

=> s (yamada, y? or yamada y?)/au
L4 21370 (YAMADA, Y? OR YAMADA Y?)/AU

=> s (nihira, t? or nihira t?)/au
L5 399 (NIHIRA, T? OR NIHIRA T?)/AU

=> s (shindo, t? or shindo t?)/au
L6 1202 (SHINDO, T? OR SHINDO T?)/AU

=> s l2 and l3 and l4 and l5 and l6
L7 1 L2 AND L3 AND L4 AND L5 AND L6

=> d l7 bib

L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2001:924019 CAPLUS
DN 136:49308
TI Use of plant and microbial inducer/repressor/operator system for time- and tissue-specific expression of heterologous genes in plants
IN Shinmyo, Atsuhiko; Kato, Kou; Yamada, Yasuhiro
; Nihira, Takuya; Shindo, Takuya
PA Kaneka Corporation, Japan
SO PCT Int. Appl., 57 pp.
CODEN: PIXXD2
DT Patent
LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001096581	A1	20011220	WO 2001-JP5096	20010615
	W: AU, CA, CN, JP, RU, US				
	CA 2376268	AA	20011220	CA 2001-2376268	20010615
	AU 2001074528	A5	20011224	AU 2001-74528	20010615
	US 2003126648	A1	20030703	US 2002-49710	20020904
PRAI	JP 2000-180466	A	20000615		
	WO 2001-JP5096	W	20010615		

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s l2 or l3 or l4 or l5 or l6
L8 45068 L2 OR L3 OR L4 OR L5 OR L6

=> s l8 and repressor and operator and plant
L9 1 L8 AND REPRESSOR AND OPERATOR AND PLANT

=> d l9 ti

L9 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN
TI Use of **plant** and microbial inducer/**repressor**/
operator system for time- and tissue-specific expression of
heterologous genes in plants

=> d his

(FILE 'HOME' ENTERED AT 11:37:04 ON 02 MAR 2005)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT
11:37:12 ON 02 MAR 2005

L1 475 S (SHINMYO, A? OR SHINMAYO A?)/AU
L2 475 S (SHINMYO, A? OR SHINMYO A?)/AU
L3 22059 S (KATO, K? OR KATO K?)/AU
L4 21370 S (YAMADA, Y? OR YAMADA Y?)/AU
L5 399 S (NIHIRA, T? OR NIHIRA T?)/AU
L6 1202 S (SHINDO, T? OR SHINDO T?)/AU
L7 1 S L2 AND L3 AND L4 AND L5 AND L6
L8 45068 S L2 OR L3 OR L4 OR L5 OR L6
L9 1 S L8 AND REPRESSOR AND OPERATOR AND PLANT

=> s plant and repressor and operator
L10 171 PLANT AND REPRESSOR AND OPERATOR

=> s l10 not l9
L11 170 L10 NOT L9

=> s l11 and actinomy?
L12 5 L11 AND ACTINOMY?

=> duplicate remove l12
DUPLICATE PREFERENCE IS 'CABA, CAPLUS, BIOSIS'
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L13 4 DUPLICATE REMOVE L12 (1 DUPLICATE REMOVED)

=> d l13 1-4 ti

L13 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN
TI Site-directed recombinase fusion proteins and corresponding
polynucleotides, vectors and kits, and their uses for site-directed DNA
recombination

L13 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Antibiotic-based gene regulation system in **plant** and mammalian cell responsive to streptogramins or tetracycline

L13 ANSWER 3 OF 4 CABA COPYRIGHT 2005 CABI on STN DUPLICATE 1
 TI Novel pristinamycin-responsive expression systems for **plant** cells.

L13 ANSWER 4 OF 4 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
 TI CHARACTERIZATION OF KDG-R A GENE OF ERWINIA-CHRYSANTHEMI THAT REGULATES PECTIN DEGRADATION.

=> d l13 1-4 bib

L13 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 2003:356047 CAPLUS
 DN 138:363801
 TI Site-directed recombinase fusion proteins and corresponding polynucleotides, vectors and kits, and their uses for site-directed DNA recombination
 IN Mueller, Ferenc; Straehle, Uwe; Tora, Laszlo; Olasz, Ferenc; Kiss, Janos; Szabo, Monika
 PA Aderegem Association Pour Le Developpement De La Recherche En Genetique Moleculaire, Fr.
 SO Eur. Pat. Appl., 63 pp.
 CODEN: EPXXDW
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1308516	A1	20030507	EP 2001-402754	20011024
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
PRAI	EP 2001-402754		20011024		

RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L13 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 2002:315117 CAPLUS
 DN 136:336179
 TI Antibiotic-based gene regulation system in **plant** and mammalian cell responsive to streptogramins or tetracycline
 IN Fussenegger, Martin; Bailey, James E.
 PA Cistronics Cell Technology G.m.b.H., Switz.
 SO PCT Int. Appl., 97 pp.
 CODEN: PIXXD2

DT Patent
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002033104	A2	20020425	WO 2001-IB1963	20011019
	WO 2002033104	A3	20031002		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN,				

	GQ, GW, ML, MR, NE, SN, TD, TG		
	AU 2002010802	A5	20020429
PRAI	US 2000-693624	A	20001020
	WO 2001-IB1963	W	20011019

L13 ANSWER 3 OF 4 CABA COPYRIGHT 2005 CABI on STN DUPLICATE 1
 AN 2001:99369 CABA
 DN 20013099509
 TI Novel pristinamycin-responsive expression systems for plant cells
 AU Frey, A. D.; Rimann, M.; Bailey, J. E.; Kallio, P. T.; Thompson, C. J.; Fussenegger, M.
 CS Institute of Biotechnology, Swiss Federal Institute of Technology, ETH Zurich, CH-8093 Zurich, Switzerland.
 SO Biotechnology and Bioengineering, (2001) Vol. 74, No. 2, pp. 154-163. 46 ref.
 Publisher: John Wiley and Sons. New York
 ISSN: 0006-3592
 CY United States
 DT Journal
 LA English
 ED Entered STN: 20010906
 Last Updated on STN: 20010906

L13 ANSWER 4 OF 4 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
 AN 1991:524196 BIOSIS
 DN PREV199192135656; BA92:135656
 TI CHARACTERIZATION OF KDG-R A GENE OF ERWINIA-CHRYSANTHEMI THAT REGULATES PECTIN DEGRADATION.
 AU REVERCHON S [Reprint author]; NASSER W; ROBERT-BAUDOUY J
 CS LABOARTOIRE DE GENETIQUE MOLECULAIRE DES MICROORGANISMES, BTIMENT 406, INSTITUT NATIONAL DES SCI APPLIQUEES, 69621 VILLEURBANNE, FRANCE
 SO Molecular Microbiology, (1991) Vol. 5, No. 9, pp. 2203-2216.
 CODEN: MOMIEE. ISSN: 0950-382X.
 DT Article
 FS BA
 LA ENGLISH
 ED Entered STN: 19 Nov 1991
 Last Updated on STN: 20 Nov 1991

=> d l13 1-4 kwic

L13 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN
 AB . . . the corresponding polynucleotides, vector and kits. Thus, Escherichia coli insertion sequence IS30 transposase is fused to that of either cI **repressor** of lambda phage, the DNA-binding domain of eukaryotic Gli transcription factor, or Tet **repressor**. The invention also provides methods for site-directed DNA recombination and for the stable introduction a DNA sequence of interest into. . .
 ST site directed recombination system fusion recombinase; IS30 transposase fusion site directed recombination; cI **repressor** fusion IS30 transposase recombination; Gli1 transcription factor fusion IS30 transposase recombination; Tet **repressor** fusion IS30 transposase recombination
 IT Transcription factors
 RL: BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)
 (cI **repressor**, fusion proteins with IS30 transposase; site-directed recombinase fusion proteins and corresponding polynucleotides, vectors and kits, and their uses for site-directed DNA recombination)
 IT Genetic element
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(operator, of phage λ CI repressor;
site-directed recombinase fusion proteins and corresponding
polynucleotides, vectors and kits, and their uses for site-directed DNA
recombination)

IT **Actinomyces**

Adenoviral vectors
Agrobacterium
Amphibia
Animal
Azorhizobium
Bacillus (bacterium genus)
Bordetella
Brucella
Caenorhabditis
Campylobacter
Clostridium
Corynebacterium
DNA sequences
Danio rerio
Desulfovibrio
Drosophila
Erwinia
Fish
Gene targeting
Gene therapy
Haemophilus
Helicobacter
Human
Klebsiella
Lactobacillus
Listeria
Micrococcus
Molecular cloning
Mus
Mycobacterium
Neisseria
Photobacterium
Plant cell
Protein sequences
Proteus (bacterium)
Pseudomonas
Retroviral vectors
Rhizobium
Staphylococcus
Thermus thermophilus
Vibrio
Viral vectors
Yeast
Yersinia

(site-directed recombinase fusion proteins and corresponding
polynucleotides, vectors and kits, and their uses for site-directed DNA
recombination)

IT **Transcription factors**

RL: BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological
study); USES (Uses)
(tetR (tetracycline repressor), fusion proteins with IS30
transposase; site-directed recombinase fusion proteins and
corresponding polynucleotides, vectors and kits, and their uses for
site-directed DNA recombination)

L13 **ANSWER 2 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN**

TI Antibiotic-based gene regulation system in **plant** and mammalian
cell responsive to streptogramins or tetracycline

AB . . . therapy. In particular, the invention provides a new system for
antibiotic-regulated gene expression in eukaryotic cells based on

sequences from **Actinomycetes** antibiotic resistance promoters, polypeptides that bind to the same in an antibiotic responsive manner, and nucleotides encoding such polypeptides. The . . .

ST antibiotic responsive gene expression regulation tetracycline streptogramin; **plant** mammalian transcription regulation streptogramin responsive promoter

IT Transcription factors
 RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); BIOL (Biological study); PREP (Preparation)
 (AP-2 (activator protein 2), trans-activating domain of; antibiotic-based gene regulation system in **plant** and mammalian cell responsive to streptogramins or tetracycline)

IT Transcription factors
 RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); BIOL (Biological study); PREP (Preparation)
 (E4BP4, 65 amino acid **repressor** domain of; antibiotic-based gene regulation system in **plant** and mammalian cell responsive to streptogramins or tetracycline)

IT Transcription factors
 RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); BIOL (Biological study); PREP (Preparation)
 (GAL4, trans-activating domain of; antibiotic-based gene regulation system in **plant** and mammalian cell responsive to streptogramins or tetracycline)

IT Genetic element
 RL: BSU (Biological study, unclassified); BIOL (Biological study)
 (IRES (internal ribosomal entry site) element; antibiotic-based gene regulation system in **plant** and mammalian cell responsive to streptogramins or tetracycline)

IT Transcription factors
 RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); BIOL (Biological study); PREP (Preparation)
 (ITF-1, and ITF-2, trans-activating domain of; antibiotic-based gene regulation system in **plant** and mammalian cell responsive to streptogramins or tetracycline)

IT Gene, animal
 RL: BSU (Biological study, unclassified); BIOL (Biological study)
 (Kruppel, of Drosophila, **repressor** domain of product of; antibiotic-based gene regulation system in **plant** and mammalian cell responsive to streptogramins or tetracycline)

IT Transcription factors
 RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); BIOL (Biological study); PREP (Preparation)
 (Kruppel, of Drosophila, **repressor** domain of; antibiotic-based gene regulation system in **plant** and mammalian cell responsive to streptogramins or tetracycline)

IT Transcription factors
 RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); BIOL (Biological study); PREP (Preparation)
 (NF-A2 (nuclear factor A2), Oct-2.1, **repressor** domain of; antibiotic-based gene regulation system in **plant** and mammalian cell responsive to streptogramins or tetracycline)

IT Transcription factors
 RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); BIOL (Biological study); PREP (Preparation)
 (NF-I (nuclear factor I), CTF, trans-activating domain of; antibiotic-based gene regulation system in **plant** and mammalian cell responsive to streptogramins or tetracycline)

IT Transcription factors
 RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); BIOL (Biological study); PREP (Preparation)
 (NF-III (nuclear factor III), trans-activating domain of; antibiotic-based gene regulation system in **plant** and mammalian cell responsive to streptogramins or tetracycline)

IT Transcription factors

RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified);
BIOL (Biological study); PREP (Preparation)
(NF- κ B (nuclear factor of κ light chain gene enhancer in
B-cells), p65 trans-activating domain of; antibiotic-based gene
regulation system in **plant** and mammalian cell responsive to
streptogramins or tetracycline)

IT Proteins
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified);
BIOL (Biological study); PREP (Preparation)
(NeP1, **repressor** domain of; antibiotic-based gene regulation
system in **plant** and mammalian cell responsive to
streptogramins or tetracycline)

IT Fusion proteins (chimeric proteins)
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(PIT (pristinamycin dependent transactivator); antibiotic-based gene
regulation system in **plant** and mammalian cell responsive to
streptogramins or tetracycline)

IT Proteins
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified);
BIOL (Biological study); PREP (Preparation)
(Pip; antibiotic-based gene regulation system in **plant** and
mammalian cell responsive to streptogramins or tetracycline)

IT Promoter (genetic element)
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(Ppir (pristinamycin-regulatable promoter); antibiotic-based gene
regulation system in **plant** and mammalian cell responsive to
streptogramins or tetracycline)

IT Promoter (genetic element)
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(Pptr; antibiotic-based gene regulation system in **plant** and
mammalian cell responsive to streptogramins or tetracycline)

IT Amycolatopsis mediterranei
Streptomyces cyanogenus
Streptomyces glaucescens
Streptomyces hygroscopicus
Streptomyces peucetius
(Pptr -binding protein from; antibiotic-based gene regulation system in
plant and mammalian cell responsive to streptogramins or
tetracycline)

IT Transcription factors
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified);
BIOL (Biological study); PREP (Preparation)
(SF-1 (steroidogenic factor 1), **repressor** domain of;
antibiotic-based gene regulation system in **plant** and
mammalian cell responsive to streptogramins or tetracycline)

IT Proteins
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified);
BIOL (Biological study); PREP (Preparation)
(SIR1, **repressor** domain of, from yeast; antibiotic-based gene
regulation system in **plant** and mammalian cell responsive to
streptogramins or tetracycline)

IT Gene, microbial
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(SSN6, -Tup1 protein, **repressor** domain; antibiotic-based gene
regulation system in **plant** and mammalian cell responsive to
streptogramins or tetracycline)

IT Transcription factors
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified);
BIOL (Biological study); PREP (Preparation)
(Sp1, trans-activating domain of; antibiotic-based gene regulation
system in **plant** and mammalian cell responsive to
streptogramins or tetracycline)

IT Proteins

RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified);
BIOL (Biological study); PREP (Preparation)
(Ssn6, **repressor** domain of, from yeast; antibiotic-based gene
regulation system in **plant** and mammalian cell responsive to
streptogramins or tetracycline)

IT Transcription factors
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified);
BIOL (Biological study); PREP (Preparation)
(TSF3, **repressor** domain of; antibiotic-based gene regulation
system in **plant** and mammalian cell responsive to
streptogramins or tetracycline)

IT Proteins
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified);
BIOL (Biological study); PREP (Preparation)
(Tup1, **repressor** domain of, from yeast; antibiotic-based gene
regulation system in **plant** and mammalian cell responsive to
streptogramins or tetracycline)

IT Transcription factors
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified);
BIOL (Biological study); PREP (Preparation)
(VP16, trans-activating domain of; antibiotic-based gene regulation
system in **plant** and mammalian cell responsive to
streptogramins or tetracycline)

IT Transcription factors
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified);
BIOL (Biological study); PREP (Preparation)
(WT1 (Wilms' tumor suppressor 1), **repressor** domain of;
antibiotic-based gene regulation system in **plant** and
mammalian cell responsive to streptogramins or tetracycline)

IT Transcription factors
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified);
BIOL (Biological study); PREP (Preparation)
(ZF5, N-terminal zinc finger **repressor** domain of;
antibiotic-based gene regulation system in **plant** and
mammalian cell responsive to streptogramins or tetracycline)

IT Eukaryota
(activating or repressing transcription in; antibiotic-based gene
regulation system in **plant** and mammalian cell responsive to
streptogramins or tetracycline)

IT Promoter (genetic element)
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(antibiotic resistance; antibiotic-based gene regulation system in
plant and mammalian cell responsive to streptogramins or
tetracycline)

IT **Actinomycetes**
Arabidopsis
Eubacteria
Glycine max
Hordeum vulgare
Molecular cloning
Nicotiana tabacum
Oryza sativa
Plant cell
Plasmid vectors
Retroviral vectors
Solanum tuberosum
Streptomyces
Triticum aestivum
Viral vectors
(antibiotic-based gene regulation system in **plant** and
mammalian cell responsive to streptogramins or tetracycline)

IT Reporter gene
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(antibiotic-based gene regulation system in **plant** and

mammalian cell responsive to streptogramins or tetracycline)

IT Transgene
 RL: BSU (Biological study, unclassified); BIOL (Biological study)
 (antibiotic-responsive expression of, regulation of; antibiotic-based
 gene regulation system in **plant** and mammalian cell responsive
 to streptogramins or tetracycline)

IT Drug screening
 (candidate antibiotics; antibiotic-based gene regulation system in
plant and mammalian cell responsive to streptogramins or
 tetracycline)

IT Proteins
 RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified);
 BIOL (Biological study); PREP (Preparation)
 (dorsal, **repressor** domain of, from Drosophila;
 antibiotic-based gene regulation system in **plant** and
 mammalian cell responsive to streptogramins or tetracycline)

IT Transcription factors
 RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified);
 BIOL (Biological study); PREP (Preparation)
 (engrailed, **repressor** domain of; antibiotic-based gene
 regulation system in **plant** and mammalian cell responsive to
 streptogramins or tetracycline)

IT Promoter (genetic element)
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)
 (eukaryotic; antibiotic-based gene regulation system in **plant**
 and mammalian cell responsive to streptogramins or tetracycline)

IT Transcription factors
 RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified);
 BIOL (Biological study); PREP (Preparation)
 (even-skipped, **repressor** domain of; antibiotic-based gene
 regulation system in **plant** and mammalian cell responsive to
 streptogramins or tetracycline)

IT Proteins
 RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
 (green fluorescent, reporter gene for; antibiotic-based gene regulation
 system in **plant** and mammalian cell responsive to
 streptogramins or tetracycline)

IT **Plant** tissue culture
 (hairy root; antibiotic-based gene regulation system in **plant**
 and mammalian cell responsive to streptogramins or tetracycline)

IT Transcription factors
 RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified);
 BIOL (Biological study); PREP (Preparation)
 (hunchback, **repressor** domain of, from Drosophila;
 antibiotic-based gene regulation system in **plant** and
 mammalian cell responsive to streptogramins or tetracycline)

IT Gene, microbial
 RL: BSU (Biological study, unclassified); BIOL (Biological study)
 (kox1, KRAB domain of product of, as **repressor** domain;
 antibiotic-based gene regulation system in **plant** and
 mammalian cell responsive to streptogramins or tetracycline)

IT Animal cell
 (mammalian; antibiotic-based gene regulation system in **plant**
 and mammalian cell responsive to streptogramins or tetracycline)

IT DNA sequences
 (of pip gene of Streptomyces coelicolor; antibiotic-based gene
 regulation system in **plant** and mammalian cell responsive to
 streptogramins or tetracycline)

IT Molecular association
 (of protein Pip with Pptr; antibiotic-based gene regulation system in
plant and mammalian cell responsive to streptogramins or
 tetracycline)

IT Genetic element
 RL: BSU (Biological study, unclassified); BIOL (Biological study)

(**operator**, tet gene; antibiotic-based gene regulation system in **plant** and mammalian cell responsive to streptogramins or tetracycline)

IT Gene, microbial
 RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
 (pip; antibiotic-based gene regulation system in **plant** and mammalian cell responsive to streptogramins or tetracycline)

IT Artemisia
 Atropa
 Beta vulgaris
 Brugmansia
 (**plant** hairy root culture from; antibiotic-based gene regulation system in **plant** and mammalian cell responsive to streptogramins or tetracycline)

IT Streptomyces coelicolor
 (protein Pip from; antibiotic-based gene regulation system in **plant** and mammalian cell responsive to streptogramins or tetracycline)

IT Drosophila
 Yeast
 (**repressor** domain of protein from; antibiotic-based gene regulation system in **plant** and mammalian cell responsive to streptogramins or tetracycline)

IT Retinoic acid receptors
 Thyroid hormone receptors
 RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); BIOL (Biological study); PREP (Preparation)
 (**repressor** domain of; antibiotic-based gene regulation system in **plant** and mammalian cell responsive to streptogramins or tetracycline)

IT Antibiotics
 (screening for novel; antibiotic-based gene regulation system in **plant** and mammalian cell responsive to streptogramins or tetracycline)

IT Gene, microbial
 RL: BSU (Biological study, unclassified); BIOL (Biological study)
 (tet, **operator**; antibiotic-based gene regulation system in **plant** and mammalian cell responsive to streptogramins or tetracycline)

IT Mus
 (transgenic; antibiotic-based gene regulation system in **plant** and mammalian cell responsive to streptogramins or tetracycline)

IT Gene, microbial
 RL: BSU (Biological study, unclassified); BIOL (Biological study)
 (v-erbA, **repressor** domain of product of; antibiotic-based gene regulation system in **plant** and mammalian cell responsive to streptogramins or tetracycline)

IT Proteins
 RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); BIOL (Biological study); PREP (Preparation)
 (v-erbA, **repressor** domain of; antibiotic-based gene regulation system in **plant** and mammalian cell responsive to streptogramins or tetracycline)

IT Adeno-associated virus
 Adenoviridae
 Human T-lymphotropic virus
 Human immunodeficiency virus
 Lentivirus
 (vector of; antibiotic-based gene regulation system in **plant** and mammalian cell responsive to streptogramins or tetracycline)

IT Protein motifs
 (zinc finger, of ZF5; antibiotic-based gene regulation system in **plant** and mammalian cell responsive to streptogramins or tetracycline)

IT 9001-78-9, Alkaline phosphatase
 RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
 (SEAP (human secreted alkaline phosphatase), reporter gene for;
 antibiotic-based gene regulation system in **plant** and
 mammalian cell responsive to streptogramins or tetracycline)

IT 60-54-8, Tetracycline 11006-76-1, Streptogramin 126602-89-9, Synercid
 270076-60-3, Pristinamycin
 RL: BSU (Biological study, unclassified); BIOL (Biological study)
 (antibiotic-based gene regulation system in **plant** and
 mammalian cell responsive to streptogramins or tetracycline)

IT 416228-71-2, DNA (Streptomyces coelicolor gene pip)
 RL: BSU (Biological study, unclassified); PRP (Properties); BIOL
 (Biological study)
 (nucleotide sequence; antibiotic-based gene regulation system in
plant and mammalian cell responsive to streptogramins or
 tetracycline)

IT 415742-66-4 415742-67-5 415742-68-6, 5: PN: WO0233104 SEQID: 5
 unclaimed DNA 415742-69-7 - 415742-70-0, 7: PN: WO0233104 SEQID: 7
 unclaimed DNA 415742-71-1 415742-72-2, 9: PN: WO0233104 SEQID: 9
 unclaimed DNA 415742-73-3 415742-74-4 415742-75-5 415742-76-6
 415742-77-7 415742-78-8 415742-79-9 415742-80-2 415742-81-3
 415742-82-4 415742-83-5 415742-84-6 415742-85-7 415742-86-8
 415742-87-9 415742-88-0 415742-89-1 415742-90-4 415742-91-5
 415742-92-6 415742-93-7 415742-94-8 415742-95-9 415742-96-0
 416231-10-2, 3: PN: WO0233104 SEQID: 3 unclaimed DNA 416231-11-3, 4: PN:
 WO0233104 SEQID: 4 unclaimed DNA 416231-12-4 416231-13-5
 RL: PRP (Properties)
 (unclaimed nucleotide sequence; antibiotic-based gene regulation system
 in **plant** and mammalian cell responsive to streptogramins or
 tetracycline)

L13 ANSWER 3 OF 4 CABA COPYRIGHT 2005 CABI on STN DUPLICATE 1

TI Novel pristinamycin-responsive expression systems for **plant**
 cells.

AB Novel gene regulation systems were designed for **plant** cells
 responsive to the streptogramin antibiotic pristinamycin. The
 pristinamycin-repressible **plant** gene regulation concept
 (PIPpOFF) is based on a transcriptional activator (PIT) which consists of
 the Pip protein, the **repressor** of the pristinamycin resistance
 operon of Streptomyces coelicolor, fused to the VP16 transactivation
 domain of the Herpes simplex virus. PIT mediates pristinamycin-repressible
 activation of a synthetic **plant** promoter (PpPIR) in tobacco
 cells consisting of a nine Pip-binding site-containing artificial
operator (PIR3) placed upstream of a TATA-box derived from the
 cauliflower mosaic virus 35S promoter (PCaMV35S). Pristinamycin interferes
 with induction by negatively regulating the DNA-binding capacity of the
 Pip moiety of PIT. A second, streptogramin-inducible **plant** gene
 regulation system (PIPpON) was constructed by combining Pip expression
 with a **plant**-specific pristinamycin-inducible promoter
 (PpPIRON). PpPIRON consists of a PIR3 module cloned downstream of the
 strong constitutive **plant** promoter PCaMV35S. As in the native
 Streptomyces configuration, Pip binds to its cognate sequence within
 PpPIRON in the absence of regulating antibiotic and silences the chimaeric
plant promoter. Upon addition of pristinamycin, Pip is released
 from the PIR3 **operator** and full PCaMV35S-driven expression of
 desired **plant** genes is induced. The PIPpOFF and PIPpON systems
 performed well in Nicotiana tabacum suspension cultures and promise to
 provide an attractive extension of existing **plant** gene
 regulation technology for basic **plant** research or
 biopharmaceutical manufacturing using **plant** tissue culture.

BT Nicotiana; Solanaceae; Solanales; dicotyledons; angiosperms;
 Spermatophyta; plants; Streptomycetaceae; Actinomycetales;
 Firmicutes; bacteria; prokaryotes; Streptomyces

CT antibiotics; drug resistance; gene expression; genetic engineering;
 genetic regulation; operons; **plant** proteins; promoters; tobacco;

transcription

L13 ANSWER 4 OF 4 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
AB *Erwinia chrysanthemi* is a phytopathogenic enterobacterium able to degrade
the pectic fraction of plant cell walls. The kdgR negative
regulatory gene controls all the genes involved in pectin catabolism,
including pel genes encoding pectate. . . other regulatory proteins,
namely GylR, encoding an activator protein of the glycerol operon in
Streptomyces coelicolor, and lclR, encoding a repressor of the
acetate operon in *Salmonella typhimurium* and in *Escherichia coli*.
Previously, comparison of regulatory regions of several genes controlled.
. . . was proposed as a KdgR-binding site. The 25 bp oligonucleotide
AAAAAAGAAACATTGTTTCATTTGT corresponding to this consensus was substituted
to the lac operator, at the beginning of transcription of the
lacZ gene. This construct functioned as an operator for binding
of the KdgR protein in vivo.

IT Miscellaneous Descriptors

ESCHERICHIA-COLI STREPTOMYCES-COELICOLOR GYL R ACTIVATOR
SALMONELLA-TYPHIMURIUM LCLR REPRESSOR SIMILARITY PECTATE
LYASE PEL GENES BINDING SITE OPERATOR PHYTOPATHOGENICITY
NUCLEOTIDE SEQUENCE AMINO ACID SEQUENCE MOLECULAR SEQUENCE DATA

ORGN Classifier

Enterobacteriaceae 06702

Super Taxa

Facultatively Anaerobic Gram-Negative Rods; Eubacteria; Bacteria;
Microorganisms

Taxa Notes

Bacteria, Eubacteria, Microorganisms

ORGN Classifier

Actinomycetes and Related Organisms 08800

Super Taxa

Eubacteria; Bacteria; Microorganisms

Taxa Notes

Bacteria, Eubacteria, Microorganisms

=> d his

(FILE 'HOME' ENTERED AT 11:37:04 ON 02 MAR 2005)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT
11:37:12 ON 02 MAR 2005

L1 475 S (SHINMYO, A? OR SHINMAYO A?)/AU
L2 475 S (SHINMYO, A? OR SHINMYO A?)/AU
L3 22059 S (KATO, K? OR KATO K?)/AU
L4 21370 S (YAMADA, Y? OR YAMADA Y?)/AU
L5 399 S (NIHIRA, T? OR NIHIRA T?)/AU
L6 1202 S (SHINDO, T? OR SHINDO T?)/AU
L7 1 S L2 AND L3 AND L4 AND L5 AND L6
L8 45068 S L2 OR L3 OR L4 OR L5 OR L6
L9 1 S L8 AND REPRESSOR AND OPERATOR AND PLANT
L10 171 S PLANT AND REPRESSOR AND OPERATOR
L11 170 S L10 NOT L9
L12 5 S L11 AND ACTINOMY?
L13 4 DUPLICATE REMOVE L12 (1 DUPLICATE REMOVED)

=> s l11 not l12

L14 165 L11 NOT L12

=> duplicate remove l14

DUPLICATE PREFERENCE IS 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L14

L15 89 DUPLICATE REMOVE L14 (76 DUPLICATES REMOVED)

=> d l15 1-10 ti

L15 ANSWER 1 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN
TI Molecular control of transgene escape from genetically modified plants with recoverable block of function (RBF) system having a blocking construct and a recovering construct

L15 ANSWER 2 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN
TI An improved reverse hybrid screen for interaction interface mapping and therapeutic peptides inhibiting protein-protein interaction

L15 ANSWER 3 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN
TI **Repressor**-mediated selection strategies in **plant** transformation

L15 ANSWER 4 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN
TI Molecular control of transgene escape from genetically modified plants by enhanced Recoverable Block of Function (RBF) system having blocking construct inserted in intron of transgene

L15 ANSWER 5 OF 89 MEDLINE on STN DUPLICATE 1
TI A ROS **repressor**-mediated binary regulation system for control of gene expression in transgenic plants.

L15 ANSWER 6 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN
TI Regulation of gene expression in transgenic plants using chromatin remodelling factors, such as histone deacetylase (HDAC) and histone acetyltransferase (HAT)

L15 ANSWER 7 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN
TI **Operator repressor** titration for antibiotic-free plasmid selection and maintenance and expression of gene of interest in attenuated cells

L15 ANSWER 8 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN
TI Macrolide antibiotic-based gene regulation system in mammalian and **plant** cells and methods of screening for candidate antibiotics or immunomodulatory compounds

L15 ANSWER 9 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN
TI Feedback-regulated expression system for **plant** transformation using an elicitor that induces a hypersensitive response

L15 ANSWER 10 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN
TI A chemically inducible expression system for eukaryotes using the hydroxyphenylpropionic acid system of Rhodococcus

=> d l15 3, 5, 7, 10 bib

L15 ANSWER 3 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2004:609981 CAPLUS
DN 141:152156
TI **Repressor**-mediated selection strategies in **plant** transformation
IN Lydiate, Derek; Hannoufa, Abdelali; Bate, Nicholas; Hegedus, Dwayne
PA Her Majesty the Queen in Right of Canada as Represented by the Minister of Agriculture and Food, Can.
SO U.S. Pat. Appl. Publ., 71 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI US 2004148649 A1 20040729 US 2003-678490 20031003
 CA 2442521 AA 20040403 CA 2003-2442521 20031003
 PRAI US 2002-416369P P 20021003

L15 ANSWER 5 OF 89 MEDLINE on STN DUPLICATE 1
 AN 2004297029 MEDLINE
 DN PubMed ID: 15198199
 TI A ROS **repressor**-mediated binary regulation system for control of
 gene expression in transgenic plants.
 AU Schafer Ulrike A; Hegedus Dwayne D; Bate Nicholas J; Hannoufa Abdelali
 CS Molecular Genetics Section, Agriculture and Agri-Food Canada, Saskatoon
 Research Centre, 107 Science Place, Saskatoon, Sask., Canada S7N 0X2.
 SO Transgenic research, (2004 Apr) 13 (2) 109-18.
 Journal code: 9209120. ISSN: 0962-8819.
 CY Netherlands
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200501
 ED Entered STN: 20040617
 Last Updated on STN: 20050126
 Entered Medline: 20050125

L15 ANSWER 7 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 2003:931503 CAPLUS
 DN 140:1593
 TI **Operator repressor** titration for antibiotic-free
 plasmid selection and maintenance and expression of gene of interest in
 attenuated cells
 IN Hanak, Julian; Cranenburgh, Rocky; Gorman, Scott
 PA Cobra Therapeutics Limited, UK
 SO PCT Int. Appl., 69 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2003097838	A1	20031127	WO 2003-GB2166	20030519
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1507863	A1	20050223	EP 2003-752862	20030519
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				

PRAI GB 2002-11459 A 20020518
 WO 2003-GB2166 W 20030519

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 10 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 2003:961125 CAPLUS
 DN 140:13721
 TI A chemically inducible expression system for eukaryotes using the
 hydroxyphenylpropionic acid system of Rhodococcus
 IN Tuerck, Jutta Anna; Archer, John Anthony Charles
 PA Advanced Technologies (Cambridge) Limited, UK
 SO U.S., 56 pp.

CODEN: USXXAM
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6660524	B1	20031209	US 1999-469211	19991222
	AU 2000018748	A5	20000731	AU 2000-18748	19991221
	AU 773487	B2	20040527		
PRAI	GB 1998-28660	A	19981224		
	WO 1999-GB4333	W	19991221		
	US 1999-469211	A	19991222		

RE.CNT 67 THERE ARE 67 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 115 11-20 ti

L15 ANSWER 11 OF 89 MEDLINE on STN DUPLICATE 2
TI Interactions of the QacR multidrug-binding protein with structurally diverse ligands: implications for the evolution of the binding pocket.

L15 ANSWER 12 OF 89 MEDLINE on STN
TI The RepA and RepB autorepressors and TraR play opposing roles in the regulation of a Ti plasmid repABC operon.

L15 ANSWER 13 OF 89 CABA COPYRIGHT 2005 CABI on STN DUPLICATE 3
TI Tetracycline **operator/repressor** system to visualize fluorescence-tagged T-DNAs in interphase nuclei of Arabidopsis.

L15 ANSWER 14 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN
TI A ROS **repressor**-mediated regulation system for control of gene expression in transgenic plants

L15 ANSWER 15 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN
TI Modified tet-inducible system for regulation of gene expression in plants with high induction ratios and low basal levels of transcription

L15 ANSWER 16 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN
TI Expression systems for transgenes that regulate expression by conditional inhibition of transcription

L15 ANSWER 17 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN
TI Use of sequences from transposable elements to altering gene expression with or without transposition

L15 ANSWER 18 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN
TI Protein-binding RNA sequences for incorporation into into mRNAs and their use in the translational regulation of gene expression in plants

L15 ANSWER 19 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN
TI Molecular control of transgene escape by a repressible excision system using controlled recombinase expression

L15 ANSWER 20 OF 89 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2005) on STN
TI Zinc ions inhibit the protein-DNA complex formation between cyanobacterial transcription factor SmtB and its recognition DNA sequences.

=> d 115 13, 14, 15, 16 bib

L15 ANSWER 13 OF 89 CABA COPYRIGHT 2005 CABI on STN DUPLICATE 3

AN 2004:144548 CABA
 DN 20043126171
 TI Tetracycline **operator/repressor** system to visualize
 fluorescence-tagged T-DNAs in interphase nuclei of Arabidopsis
 AU Matzke, A. J. M.; Winden, J. van der; Matzke, M.; der Winden, J. van; van
 der Winden, J.
 SO Plant Molecular Biology Reporter, (2003) Vol. 21, No. 1, pp. 9-19.
 Publisher: International Society for Plant Molecular Biology. Athens
 ISSN: 0735-9640
 URL: <http://pubs.nrc-cnrc.gc.ca/ispmb/r03-001.html>
 CY United States
 DT Journal
 LA English
 ED Entered STN: 20040903
 Last Updated on STN: 20040903

L15 ANSWER 14 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 2002:906490 CAPLUS
 DN 138:1071
 TI A ROS **repressor**-mediated regulation system for control of gene
 expression in transgenic plants
 IN Hannoufa, Abdelali; Hegedus, Dwayne; Bate, Nicholas
 PA Her Majesty the Queen In Right of Canada as Represented by the Minister of
 Agriculture and Agri-Food Canada, Can.; Canada Natural Resources
 SO PCT Int. Appl., 84 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002095021	A2	20021128	WO 2002-CA740	20020523
	WO 2002095021	C1	20030320		
	WO 2002095021	A3	20040429		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	CA 2447933	AA	20021128	CA 2002-2447933	20020523
	EP 1432806	A2	20040630	EP 2002-732256	20020523
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
	WO 2003100063	A1	20031204	WO 2002-CA1807	20021121
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	EP 1506296	A1	20050216	EP 2002-807468	20021121
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK			
	US 2004224412	A1	20041111	US 2003-719996	20031121
PRAI	US 2001-292973P	P	20010523		
	WO 2002-CA740	W	20020523		

WO 2002-CA1807

W

20021121

L15 ANSWER 15 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2002:185344 CAPLUS

DN 136:242937

TI Modified tet-inducible system for regulation of gene expression in plants with high induction ratios and low basal levels of transcription

IN Golovko, Andrei; Hall, Gerald, Jr.

PA Basf Plant Science G.m.b.H., Germany

SO PCT Int. Appl., 193 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002020811	A2	20020314	WO 2001-EP10315	20010907
	WO 2002020811	A3	20030501		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	CA 2421118	AA	20020314	CA 2001-2421118	20010907
	AU 2001093798	A5	20020322	AU 2001-93798	20010907
	EP 1322771	A2	20030702	EP 2001-974231	20010907
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
	US 2005034187	A1	20050210	US 2003-363657	20030305
PRAI	US 2000-231522P	P	20000909		
	WO 2001-EP10315	W	20010907		

L15 ANSWER 16 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2002:142458 CAPLUS

DN 136:178982

TI Expression systems for transgenes that regulate expression by conditional inhibition of transcription

IN Scherman, Daniel; Bettan, Michael; Bigey, Pascal

PA Aventis Pharma S.A., Fr.

SO PCT Int. Appl., 123 pp.

CODEN: PIXXD2

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002013758	A2	20020221	WO 2001-FR2606	20010810
	WO 2002013758	A3	20020718		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	FR 2813085	A1	20020222	FR 2000-10730	20000818
	CA 2419790	AA	20020221	CA 2001-2419790	20010810
	AU 2001085990	A5	20020225	AU 2001-85990	20010810

EP 1311298	A2	20030521	EP 2001-965323	20010810
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2004505647	T2	20040226	JP 2002-518906	20010810
US 2002166132	A1	20021107	US 2001-931007	20010817
PRAI FR 2000-10730	A	20000818		
US 2000-239246P	P	20001011		
WO 2001-FR2606	W	20010810		

=> d l15 21-30 ti

L15 ANSWER 21 OF 89 MEDLINE on STN
 TI Translational feedback regulation of the gene for L35 in Escherichia coli requires binding of ribosomal protein L20 to two sites in its leader mRNA: a possible case of ribosomal RNA-messenger RNA molecular mimicry.

L15 ANSWER 22 OF 89 MEDLINE on STN DUPLICATE 4
 TI Negative transcriptional regulation of virulence and oncogenes of the Ti plasmid by Ros bearing a conserved C2H2-zinc finger motif.

L15 ANSWER 23 OF 89 MEDLINE on STN DUPLICATE 5
 TI Expression of a 434:VP16 chimeric activator leads to high-level activation of gene expression in stable transformants of Arabidopsis.

L15 ANSWER 24 OF 89 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
 TI **Plant** gene construct encoding a protein capable of disrupting the biogenesis of viable pollen.

L15 ANSWER 25 OF 89 MEDLINE on STN DUPLICATE 6
 TI Novel pristinamycin-responsive expression systems for **plant** cells.

L15 ANSWER 26 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Progress in artificial control and expression for **plant** gene

L15 ANSWER 27 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Detection of chromosomes tagged with green fluorescent protein in live Arabidopsis thaliana plants

L15 ANSWER 28 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Novel tet **repressor**-based transcriptional regulatory proteins with applications for gene therapy

L15 ANSWER 29 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN
 TI A chemically inducible expression system for eukaryotes using the OHP system of Rhodococcus

L15 ANSWER 30 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Use of lethal genes induced by fertilization to prevent outcrossing and undesired gene flow in crop plants

=> d l15 25, 26, 29 bib

L15 ANSWER 25 OF 89 MEDLINE on STN DUPLICATE 6
 AN 2001276733 MEDLINE
 DN PubMed ID: 11370004
 TI Novel pristinamycin-responsive expression systems for **plant** cells.
 AU Frey A D; Rimann M; Bailey J E; Kallio P T; Thompson C J; Fussenegger M
 CS Institute of Biotechnology, Swiss Federal Institute of Technology, ETH Zurich, CH-8093 Zurich, Switzerland.
 SO Biotechnology and bioengineering, (2001 Jul 20) 74 (2) 154-63.

Journal code: 7502021. ISSN: 0006-3592.

CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200110
ED Entered STN: 20011008
Last Updated on STN: 20011008
Entered Medline: 20011004

L15 ANSWER 26 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2001:700880 CAPLUS
DN 136:380619
TI Progress in artificial control and expression for plant gene
AU Hu, Fengqing
CS Department of Life Science, Liaoning University, Shenyang, 110036, Peop.
Rep. China
SO Shengwu Gongcheng Jinzhan (2001), 21(4), 43-45
CODEN: SGJHA2; ISSN: 1003-3505
PB Zhongguo Kexueyuan Wenxian Qingbao Zhongxin
DT Journal; General Review
LA Chinese

L15 ANSWER 29 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2000:457212 CAPLUS
DN 133:85125
TI A chemically inducible expression system for eukaryotes using the OHP
system of Rhodococcus
IN Turck, Jutta Anna; Archer, John Anthony Charles
PA Advanced Technologies (Cambridge) Ltd., UK
SO PCT Int. Appl., 117 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000039300	A1	20000706	WO 1999-GB4333	19991221
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	CA 2356125	AA	20000706	CA 1999-2356125	19991221
	AU 2000018748	A5	20000731	AU 2000-18748	19991221
	AU 773487	B2	20040527		
	EP 1141307	A1	20011010	EP 1999-962383	19991221
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
PRAI	GB 1998-28660	A	19981224		
	WO 1999-GB4333	W	19991221		
	US 1999-469211	A	19991222		

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d l15 31-40 ti

L15 ANSWER 31 OF 89 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on
STN
TI Regulation of gene expression.

L15 ANSWER 32 OF 89 MEDLINE on STN
 TI Emergency derepression: stringency allows RNA polymerase to override negative control by an active **repressor**.

L15 ANSWER 33 OF 89 MEDLINE on STN DUPLICATE 7
 TI Technical advance: An estrogen receptor-based transactivator XVE mediates highly inducible gene expression in transgenic plants.

L15 ANSWER 34 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Glucuronide **repressor** and gusR gene of Escherichia coli and vectors containing gusR and gusR fragments

L15 ANSWER 35 OF 89 MEDLINE on STN
 TI Regulation of pelD and pelE, encoding major alkaline pectate lyases in Erwinia chrysanthemi: involvement of the main transcriptional factors.

L15 ANSWER 36 OF 89 MEDLINE on STN DUPLICATE 8
 TI kdgREcc negatively regulates genes for pectinases, cellulase, protease, HarpinEcc, and a global RNA regulator in Erwinia carotovora subsp. carotovora.

L15 ANSWER 37 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Erwinia carotovora has two KdgR-like proteins belonging to the IcIR family of transcriptional regulators: identification and characterization of the RexZ activator and the KdgR **repressor** of pathogenesis

L15 ANSWER 38 OF 89 MEDLINE on STN DUPLICATE 9
 TI Cloning and characterization of a tetracycline resistance determinant present in Agrobacterium tumefaciens C58.

L15 ANSWER 39 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Efficient regulation and trans-activation of foreign genes in plants using lac **repressor** fusion proteins and suppressor tRNAs

L15 ANSWER 40 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Regeneration of genetically modified whole **plant** from **plant** cell transfected with DNA sequence comprising regulatory regions and genes for phenotype-regulating protein, recombinase, and genetic **repressor**

=> d 115 41-50 ti

L15 ANSWER 41 OF 89 CABA COPYRIGHT 2005 CABI on STN
 TI Integration of the quorum-sensing system in the regulatory networks controlling virulence factor synthesis in Erwinia chrysanthemi.

L15 ANSWER 42 OF 89 MEDLINE on STN DUPLICATE 10
 TI A transcription activation system for regulated gene expression in transgenic plants.

L15 ANSWER 43 OF 89 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2005) on STN DUPLICATE 11
 TI **Plant** science in lac: a continuation of using tools from Escherichia coli in studying gene function in heterologous systems.

L15 ANSWER 44 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Recombinant expression cassettes for transformation of **plant** or other eukaryotes and regulation of gene expression in eukaryotes

L15 ANSWER 45 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Plasmid constructed for stabilization by **repressor** titration

L15 ANSWER 46 OF 89 MEDLINE on STN DUPLICATE 12
 TI Characterization of the pecT control region from *Erwinia chrysanthemi* 3937.

L15 ANSWER 47 OF 89 MEDLINE on STN DUPLICATE 13
 TI Antagonistic effect of CRP and KdgR in the transcription control of the *Erwinia chrysanthemi* pectinolysis genes.

L15 ANSWER 48 OF 89 MEDLINE on STN DUPLICATE 14
 TI Regulated expression of **plant** tRNA genes by the prokaryotic tet and lac repressors.

L15 ANSWER 49 OF 89 CABA COPYRIGHT 2005 CABI on STN
 TI The PecM protein is necessary for the DNA-binding capacity of the PecS **repressor**, one of the regulators of virulence-factor synthesis in *Erwinia chrysanthemi*.

L15 ANSWER 50 OF 89 MEDLINE on STN
 TI Complementation of a yeast delta pkc1 mutant by the Arabidopsis proteinANT.

=> d l15 42, 43, 44 bib

L15 ANSWER 42 OF 89 MEDLINE on STN DUPLICATE 10
 AN 1998081881 MEDLINE
 DN PubMed ID: 9419383
 TI A transcription activation system for regulated gene expression in transgenic plants.
 AU Moore I; Galweiler L; Grosskopf D; Schell J; Palme K
 CS Department of Plant Sciences, University of Oxford, South Parks Road, Oxford, OX1 3RB, United Kingdom.. ian.moore@plants.ox.ac.uk
 SO Proceedings of the National Academy of Sciences of the United States of America, (1998 Jan 6) 95 (1) 376-81.
 Journal code: 7505876. ISSN: 0027-8424.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199802
 ED Entered STN: 19980226
 Last Updated on STN: 20000303
 Entered Medline: 19980218

L15 ANSWER 43 OF 89 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2005) on STN DUPLICATE 11
 AN 1998:58671 AGRICOLA
 DN IND21235374
 TI **Plant** science in lac: a continuation of using tools from *Escherichia coli* in studying gene function in heterologous systems.
 AU Messing, J.
 AV DNAL (500 N21P)
 SO Proceedings of the National Academy of Sciences of the United States of America, Jan 6, 1998. Vol. 95, No. 1. p. 93-94
 Publisher: Washington, D.C. : National Academy of Sciences, CODEN: PNASA6; ISSN: 0027-8424
 NTE Includes references
 CY District of Columbia; United States
 DT Article; Conference
 FS U.S. Imprints not USDA, Experiment or Extension
 LA English

L15 ANSWER 44 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1997:568296 CAPLUS
 DN 127:230348
 TI Recombinant expression cassettes for transformation of **plant** or other eukaryotes and regulation of gene expression in eukaryotes
 IN Teasdale, Robert Dixon; Mouradov, Aidyn; Southerton, Simon George; Sawbridge, Timothy Ivor
 PA Forbio Research Pty. Ltd., Australia; Teasdale, Robert Dixon; Mouradov, Aidyn; Southerton, Simon George; Sawbridge, Timothy Ivor.
 SO PCT Int. Appl., 87 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9730162	A1	19970821	WO 1997-AU89	19970219
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	CA 2259456	AA	19970821	CA 1997-2259456	19970219
	AU 9717132	A1	19970902	AU 1997-17132	19970219
	EP 882133	A1	19981209	EP 1997-904302	19970219
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	CN 1216066	A	19990505	CN 1997-193833	19970219
	JP 2000504577	T2	20000418	JP 1997-528833	19970219
	NO 9803775	A	19981015	NO 1998-3775	19980818
PRAI	AU 1996-8161	A	19960219		
	WO 1997-AU89	W	19970219		

=> d 115 51-60 ti

L15 ANSWER 51 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Induction of male sterility in plants by expression of high levels of avidin

L15 ANSWER 52 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Regeneration of genetically modified whole **plant** from **plant** cell transfected with DNA sequence comprising regulatory regions and genes for phenotype-regulating protein, recombinase, and genetic **repressor**

L15 ANSWER 53 OF 89 MEDLINE on STN
 TI Mutation of the Bacillus subtilis alkyl hydroperoxide reductase (ahpCF) operon reveals compensatory interactions among hydrogen peroxide stress genes.

L15 ANSWER 54 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Toxicity symptoms caused by high expression of Tet **repressor** in tomato (Lycopersicon esculentum Mill. L.) are alleviated by tetracycline

L15 ANSWER 55 OF 89 CABA COPYRIGHT 2005 CABI on STN
 TI Divergent transcription and a remote **operator** play a role in control of expression of a nopaline catabolism promoter in Agrobacterium tumefaciens.

L15 ANSWER 56 OF 89 MEDLINE on STN
 TI Novel inducible/repressible gene expression systems.

L15 ANSWER 57 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN
 TI a chimeric transactivator allows tetracycline-responsive gene expression in whole plants

L15 ANSWER 58 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Inducible gene expression systems for higher eukaryotic cells

L15 ANSWER 59 OF 89 CABA COPYRIGHT 2005 CABI on STN
 TI Specific interactions of *Erwinia chrysanthemi* KdgR **repressor** with different operators of genes involved in pectinolysis.

L15 ANSWER 60 OF 89 MEDLINE on STN
 TI Control of gene expression in **plant** cells using a 434:VP16 chimeric protein.

=> d 115 54, 56, 57, 59 bib

L15 ANSWER 54 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1996:291357 CAPLUS
 DN 124:335521
 TI Toxicity symptoms caused by high expression of Tet **repressor** in tomato (*Lycopersicon esculentum* Mill. L.) are alleviated by tetracycline
 AU Corlett, J. E.; Myatt, S. C.; Thompson, A. J.
 CS Department of Annual Crops, Horticulture Research International, Wellesbourne/Warwick, CV35 9EF, UK
 SO Plant, Cell and Environment (1996), 19(4), 447-454
 CODEN: PLCEDV; ISSN: 0140-7791
 PB Blackwell
 DT Journal
 LA English

L15 ANSWER 56 OF 89 MEDLINE on STN
 AN 96090685 MEDLINE
 DN PubMed ID: 8531813
 TI Novel inducible/repressible gene expression systems.
 AU Gatz C
 CS Institut fur Genetik, Universitat Bielefeld, Germany.
 SO Methods in cell biology, (1995) 50 411-24.
 Journal code: 0373334. ISSN: 0091-679X.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199602
 ED Entered STN: 19960220
 Last Updated on STN: 19960220
 Entered Medline: 19960201

L15 ANSWER 57 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1995:17937 CAPLUS
 DN 122:47799
 TI a chimeric transactivator allows tetracycline-responsive gene expression in whole plants
 AU Weinmann, Pamela; Gossen, Manfred; Hillen, Wolfgang; Bujard, Hermann; Gatz, Christiane
 CS Inst. Genbiolo. Forsch. Berlin GmbH, Berlin, 14195, Germany
 SO Plant Journal (1994), 5(4), 559-69
 CODEN: PLJUED; ISSN: 0960-7412
 DT Journal
 LA English

L15 ANSWER 59 OF 89 CABA COPYRIGHT 2005 CABI on STN
 AN 95:62242 CABA

DN 19952301859
TI Specific interactions of *Erwinia chrysanthemi* KdgR **repressor**
with different operators of genes involved in pectinolysis
AU Nasser, W.; Reverchon, S.; Condemine, G.; Robert-Baudouy, J.
CS Laboratoire de Genetique Moleculaire des Microorganismes et des
Interactions Cellulaires URA CNRS 1486, Batiment 406, Institut National
des Sciences Appliquees 69621 Villeurbanne, France.
SO Journal of Molecular Biology, (1994) Vol. 236, No. 2, pp. 427-440. 43 ref.
ISSN: 0022-2836
DT Journal
LA English
ED Entered STN: 19950313
Last Updated on STN: 19950313

=> d l15 61-70 ti

L15 ANSWER 61 OF 89 CABA COPYRIGHT 2005 CABI on STN
TI Chemical regulation of transgene expression in plants.

L15 ANSWER 62 OF 89 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on
STN
TI Induction of only one SOS operon, umuDC, is required for SOS mutagenesis
in *Escherichia coli*.

L15 ANSWER 63 OF 89 CABA COPYRIGHT 2005 CABI on STN
TI Nucleotide sequence analysis and comparison of the *lexA* genes from
Salmonella typhimurium, *Erwinia carotovora*, *Pseudomonas aeruginosa* and
Pseudomonas putida.

L15 ANSWER 64 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN
TI Plasmids containing **plant** and microbial regulatory sequences for
time- and tissue-specific expression of heterologous genes in plants

L15 ANSWER 65 OF 89 MEDLINE on STN DUPLICATE 15
TI Control of gene expression in tobacco cells using a bacterial
operator-repressor system.

L15 ANSWER 66 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN
TI Stringent repression and homogeneous de-repression by tetracycline of a
modified CaMV 34S promoter in intact transgenic tobacco plants

L15 ANSWER 67 OF 89 MEDLINE on STN DUPLICATE 16
TI Construction of a tetracycline-inducible promoter in *Schizosaccharomyces*
pombe.

L15 ANSWER 68 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN
TI The Tn10-encoded Tet **repressor** blocks early but not late steps
of assembly of the RNA polymerase II initiation complex in vivo

L15 ANSWER 69 OF 89 MEDLINE on STN DUPLICATE 17
TI Purification and functional characterization of the KdgR protein, a major
repressor of pectinolysis genes of *Erwinia chrysanthemi*.

L15 ANSWER 70 OF 89 MEDLINE on STN DUPLICATE 18
TI Characterization of the interaction of **plant** transcription
factors using a bacterial **repressor** protein.

=> d l15 61, 64, 65, 66, 70 bib

L15 ANSWER 61 OF 89 CABA COPYRIGHT 2005 CABI on STN
AN 93:82853 CABA
DN 19931640071
TI Chemical regulation of transgene expression in plants

AU Ward, E. R.; Ryals, J. A.; Mifflin, B. J.
 CS Department of Molecular Genetics, Agricultural Biotechnology Research
 Unit, Ciba-Geigy Corporation, PO Box 12257, Research Triangle Park, NC
 27709, USA.
 SO Plant Molecular Biology, (1993) Vol. 22, No. 2, pp. 361-366. 33 ref.
 ISSN: 0167-4412
 DT Journal
 LA English
 ED Entered STN: 19941101
 Last Updated on STN: 19941101

L15 ANSWER 64 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1992:627758 CAPLUS
 DN 117:227758

TI Plasmids containing **plant** and microbial regulatory sequences for
 time- and tissue-specific expression of heterologous genes in plants
 IN Gatz, Christiane; Frohberg, Claus; Kaiser, Astrid
 PA Institut fuer Genbiologische Forschung Berlin G.m.b.H., Germany
 SO Ger. Offen., 17 pp.
 CODEN: GWXXBX

DT Patent
 LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 4100594	A1	19920709	DE 1991-4100594	19910108
	EP 494724	A2	19920715	EP 1992-250003	19920106
	EP 494724	A3	19930623		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	CA 2058900	AA	19920709	CA 1992-2058900	19920107
	AU 9210105	A1	19920716	AU 1992-10105	19920107
	HU 65428	A2	19940628	HU 1992-55	19920107
	JP 06339384	A2	19941213	JP 1992-18239	19920107
PRAI	DE 1991-4100594	A	19910108		

L15 ANSWER 65 OF 89 MEDLINE on STN DUPLICATE 15

AN 92224863 MEDLINE

DN PubMed ID: 1563343

TI Control of gene expression in tobacco cells using a bacterial
operator-repressor system.

AU Wilde R J; Shufflebottom D; Cooke S; Jasinska I; Merryweather A; Beri R;
 Brammar W J; Bevan M; Schuch W

CS ICI Joint Laboratory, University of Leicester, UK.

SO EMBO journal, (1992 Apr) 11 (4) 1251-9.

Journal code: 8208664. ISSN: 0261-4189.

CY ENGLAND: United Kingdom

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 199205

ED Entered STN: 19920607

Last Updated on STN: 19920607

Entered Medline: 19920515

L15 ANSWER 66 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1993:74465 CAPLUS

DN 118:74465

TI Stringent repression and homogeneous de-repression by tetracycline of a
 modified CaMV 34S promoter in intact transgenic tobacco plants

AU Gatz, Christiane; Frohberg, Claus; Wendenburg, Regina

CS Inst. Genbiol. Forsch. Berlin GmbH, Berlin, 1000/33, Germany

SO Plant Journal (1992), 2(3), 397-404

CODEN: PLJUED; ISSN: 0960-7412

DT Journal

LA English

L15 ANSWER 70 OF 89 MEDLINE on STN DUPLICATE 18
 AN 92073307 MEDLINE
 DN PubMed ID: 1961711
 TI Characterization of the interaction of **plant** transcription factors using a bacterial **repressor** protein.
 AU Frohberg C; Heins L; Gatz C
 CS Institut fur Genbiologische Forschung Berlin, Federal Republic of Germany.
 SO Proceedings of the National Academy of Sciences of the United States of America, (1991 Dec 1) 88 (23) 10470-4.
 Journal code: 7505876. ISSN: 0027-8424.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199201
 ED Entered STN: 19920124
 Last Updated on STN: 19980206
 Entered Medline: 19920109

=> d l15 71-80 ti

L15 ANSWER 71 OF 89 MEDLINE on STN DUPLICATE 19
 TI Characterization of kdgR, a gene of Erwinia chrysanthemi that regulates pectin degradation.

L15 ANSWER 72 OF 89 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
 TI REGULATION OF A **PLANT** PROMOTER BY A BACTERIAL **REPRESSOR** PROTEIN IN TRANSGENIC TOBACCO PLANTS.

L15 ANSWER 73 OF 89 MEDLINE on STN DUPLICATE 20
 TI Regulation of a modified CaMV 35S promoter by the Tn10-encoded Tet **repressor** in transgenic tobacco.

L15 ANSWER 74 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Chemical regulation of male sterility in crop plants

L15 ANSWER 75 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN
 TI The lac-**repressor/operator** system as a regulatory system in plants

L15 ANSWER 76 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Use of microbial repressors and operators to regulate expression in plants

L15 ANSWER 77 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Temperature-gradient gel electrophoresis of nucleic acids: analysis of conformational transitions, sequence variations, and protein-nucleic acid interactions

L15 ANSWER 78 OF 89 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
 TI CONTROL OF **PLANT** GENE EXPRESSION USING WILD-TYPE AND ALTERED-SPECIFICITY BACTERIAL **REPRESSOR** MOLECULES.

L15 ANSWER 79 OF 89 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
 TI INFLUENCE OF A BACTERIAL **REPRESSOR-OPERATOR** COMPLEX IN DIFFERENT LOCATIONS OF A **PLANT** PROMOTER.

L15 ANSWER 80 OF 89 MEDLINE on STN DUPLICATE 21
 TI Tn10-encoded tet **repressor** can regulate an **operator** -containing **plant** promoter.

=> d 115 72, 73, 75, 76, 78, 79, 80 bib

L15 ANSWER 72 OF 89 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on
STN
AN 1992:64049 BIOSIS
DN PREV199242027949; BR42:27949
TI REGULATION OF A **PLANT** PROMOTER BY A BACTERIAL **REPRESSOR**
PROTEIN IN TRANSGENIC TOBACCO PLANTS.
AU GATZ C [Reprint author]; FROHBERG C; HEINS L
CS INST GENBIOL FORSCHUNG BERLIN GMBH, IHNESTR 63, W-1000 BERLIN 33, GERMANY
SO Biological Chemistry Hoppe-Seyler, (1991) Vol. 372, No. 9, pp. 659-660.
Meeting Info.: FALL CONFERENCE OF THE SOCIETY FOR BIOLOGICAL CHEMISTRY,
BAYREUTH, GERMANY, SEPTEMBER 16-18, 1991. BIOL CHEM HOPPE-SEYLER.
CODEN: BCHSEI. ISSN: 0177-3593.
DT Conference; (Meeting)
FS BR
LA ENGLISH
ED Entered STN: 21 Jan 1992
Last Updated on STN: 13 Mar 1992

L15 ANSWER 73 OF 89 MEDLINE on STN DUPLICATE 20
AN 91287701 MEDLINE
DN PubMed ID: 2062303
TI Regulation of a modified CaMV 35S promoter by the Tn10-encoded Tet
repressor in transgenic tobacco.
AU Gatz C; Kaiser A; Wendenburg R
CS Institut fur Genbiologische Forschung, GmbH, Berlin, FRG.
SO Molecular & general genetics : MGG, (1991 Jun) 227 (2) 229-37.
Journal code: 0125036. ISSN: 0026-8925.
CY GERMANY: Germany, Federal Republic of
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199108
ED Entered STN: 19910825
Last Updated on STN: 19970203
Entered Medline: 19910806

L15 ANSWER 75 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN
AN 1991:56954 CAPLUS
DN 114:56954
TI The lac-**repressor/operator** system as a regulatory
system in plants
IN Bridges, Ian George; Bright, Simon William Jonathan; Greenland, Andrew
James; Schuch, Wolfgang Walter
PA Imperial Chemical Industries PLC, UK
SO PCT Int. Appl., 26 pp.
CODEN: PIXXD2

DT Patent
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	WO 9008829	A1	19900809	WO 1990-GB102	19900125
	W: AU, BB, BG, BR, FI, HU, JP, KP, KR, LK, MC, MG, MW, NO, RO, SD, SU				
	RW: AT, BE, BF, BJ, CF, CG, CH, CM, DE, DK, ES, FR, GA, GB, IT, LU,				
	ML, MR, NL, SE, SN, TD, TG				
	AU 9049453	A1	19900824	AU 1990-49453	19900125
	AU 644783	B2	19931223		
	EP 455666	A1	19911113	EP 1990-901856	19900125
	R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, LU, NL, SE				
	CA 2008696	AA	19900726	CA 1990-2008696	19900126
	ZA 9000607	A	19901031	ZA 1990-607	19900126
PRAI	GB 1989-1674	A	19890126		

WO 1990-GB102 A 19900125

L15 ANSWER 76 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN
AN 1991:56955 CAPLUS
DN 114:56955
TI Use of microbial repressors and operators to regulate expression in plants
IN Bridges, Ian George; Bright, Simon William Jonathan; Greenland, Andrew
James; Schuch, Wolfgang Walter; Pioli, David; Merryweather, Andrew
PA Imperial Chemical Industries PLC, UK; University of Leicester
SO PCT Int. Appl., 33 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	WO 9008827	A1	19900809	WO 1990-GB115	19900126
	W: AU, BB, BG, BR, FI, HU, JP, KP, KR, LK, MC, MG, MW, NO, RO, SD, SU				
	RW: AT, BE, BF, BJ, CF, CG, CH, CM, DE, DK, ES, FR, GA, GB, IT, LU,				
	ML, MR, NL, SE, SN, TD, TG				
	ZA 9000560	A	19901228	ZA 1990-560	19900125
	CA 2008699	AA	19900726	CA 1990-2008699	19900126
	CA 2008699	C	20030819		
	AU 9049667	A1	19900824	AU 1990-49667	19900126
	AU 622279	B2	19920402		
	EP 455687	A1	19911113	EP 1990-902340	19900126
	EP 455687	B1	19941019		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	US 6010887	A	20000104	US 1994-305741	19940914
PRAI	GB 1989-1676	A	19890126		
	US 1990-470653	B1	19900126		
	WO 1990-GB115	A	19900126		
	US 1993-25803	B1	19930303		

L15 ANSWER 78 OF 89 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on
STN
AN 1989:420931 BIOSIS
DN PREV198937076394; BR37:76394
TI CONTROL OF **PLANT** GENE EXPRESSION USING WILD-TYPE AND
ALTERED-SPECIFICITY BACTERIAL **REPRESSOR** MOLECULES.
AU MERRYWEATHER A [Reprint author]; BERI R K; SMITH G M; PIOLI D;
SHUFFLEBOTTOM D; BEVAN M; BRAMMAR W J; SCHUCH W
CS ICI JOINT LAB, UNIV LEICESTER, UNIVERSITY RD, LEICESTER, LE1 7RH, ENGLAND,
UK
SO Journal of Cellular Biochemistry Supplement, (1989) No. 13 PART D, pp.
307.
Meeting Info.: SYMPOSIUM ON PLANT GENE TRANSFER HELD AT THE 18TH ANNUAL
UCLA (UNIVERSITY OF CALIFORNIA-LOS ANGELES) SYMPOSIA ON MOLECULAR AND
CELLULAR BIOLOGY, PARK CITY, UTAH, USA, APRIL 1-7, 1989. J CELL BIOCHEM
SUPPL.
ISSN: 0733-1959.
DT Conference; (Meeting)
FS BR
LA ENGLISH
ED Entered STN: 7 Sep 1989
Last Updated on STN: 7 Sep 1989

L15 ANSWER 79 OF 89 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on
STN
AN 1989:420914 BIOSIS
DN PREV198937076377; BR37:76377
TI INFLUENCE OF A BACTERIAL **REPRESSOR-OPERATOR** COMPLEX IN
DIFFERENT LOCATIONS OF A **PLANT** PROMOTER.
AU GATZ C [Reprint author]
CS INSTITUT FUER GENBIOLOGISCHE FORSCHUNG, IHNESTR 63, 1 BERLIN 33, WEST

GERMANY

SO Journal of Cellular Biochemistry Supplement, (1989) No. 13 PART D, pp. 301.

Meeting Info.: SYMPOSIUM ON PLANT GENE TRANSFER HELD AT THE 18TH ANNUAL UCLA (UNIVERSITY OF CALIFORNIA-LOS ANGELES) SYMPOSIA ON MOLECULAR AND CELLULAR BIOLOGY, PARK CITY, UTAH, USA, APRIL 1-7, 1989. J CELL BIOCHEM SUPPL.

ISSN: 0733-1959.

DT Conference; (Meeting)

FS BR

LA ENGLISH

ED Entered STN: 7 Sep 1989

Last Updated on STN: 7 Sep 1989

L15 ANSWER 80 OF 89 MEDLINE on STN DUPLICATE 21

AN 88144443 MEDLINE

DN PubMed ID: 2830617

TI Tn10-encoded tet **repressor** can regulate an **operator** -containing **plant** promoter.

AU Gatz C; Quail P H

CS Department of Botany, University of Wisconsin, Madison 53706.

NC GM 36381 (NIGMS)

SO Proceedings of the National Academy of Sciences of the United States of America, (1988 Mar) 85 (5) 1394-7.

Journal code: 7505876. ISSN: 0027-8424.

CY United States

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

OS GENBANK-M19736

EM 198804

ED Entered STN: 19900308

Last Updated on STN: 19990129

Entered Medline: 19880401

=> d l15 81-89 ti

L15 ANSWER 81 OF 89 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN

TI THE TN10 ENCODED TET **REPRESSOR-OPERATOR-INTERACTION** IS FUNCTIONAL IN **PLANT** CELLS.

L15 ANSWER 82 OF 89 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN

TI THE TN-10 ENCODED TET **REPRESSOR-OPERATOR-INTERACTION** IS FUNCTIONAL IN **PLANT** CELLS.

L15 ANSWER 83 OF 89 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN

TI THE ESCHERICHIA-COLI TET **REPRESSOR-OPERATOR** INTERACTION IS FUNCTIONAL IN **PLANT** CELLS.

L15 ANSWER 84 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN

TI Temperature-gradient gel electrophoresis. Thermodynamic analysis of nucleic acids and proteins in purified form and in cellular extracts

L15 ANSWER 85 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 22

TI A 3.6-kbp segment from the vir region of Ti plasmids contains genes responsible for border sequence-directed production of T region circles in E. coli

L15 ANSWER 86 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN

TI Raman spectral studies of nucleic acids. Part 31. DNA and RNA structures in crystals, fibers and solutions by Raman spectroscopy with applications

to nucleoproteins

- L15 ANSWER 87 OF 89 CAPLUS COPYRIGHT 2005 ACS on STN
TI Studies on protein-nucleic acid interactions by model crystals
- L15 ANSWER 88 OF 89 CABA COPYRIGHT 2005 CABI on STN
TI A model for switching on ribosomal RNA synthesis by creating a palindromic DNA sequence in the promoter region of the ribosomal RNA cistron: the "structon".
- L15 ANSWER 89 OF 89 CABA COPYRIGHT 2005 CABI on STN
TI The reaction of near-isogenic lines of flax to the rust fungus *Melampsora lini*. I. Host-parasite interface.

=> d l15 81, 82, 83 bib

- L15 ANSWER 81 OF 89 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
AN 1988:432474 BIOSIS
DN PREV198835084604; BR35:84604
TI THE TN10 ENCODED TET **REPRESSOR-OPERATOR**-INTERACTION IS FUNCTIONAL IN **PLANT** CELLS.
AU GATZ C [Reprint author]
CS INST GENBIOL FORSCHUNG, IHNESTR 63, 1 BERLIN 33, W GER
SO Journal of Cellular Biochemistry Supplement, (1988) No. 12 PART C, pp. 221.
Meeting Info.: SYMPOSIUM ON THE MOLECULAR BASIS OF PLANT DEVELOPMENT HELD AT THE 17TH ANNUAL UCLA (UNIVERSITY OF CALIFORNIA-LOS ANGELES) SYMPOSIA ON MOLECULAR AND CELLULAR BIOLOGY, MARCH 26-APRIL 2, 1988. J CELL BIOCHEM SUPPL.
ISSN: 0733-1959.
DT Conference; (Meeting)
FS BR
LA ENGLISH
ED Entered STN: 24 Sep 1988
Last Updated on STN: 24 Sep 1988
- L15 ANSWER 82 OF 89 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
AN 1988:430340 BIOSIS
DN PREV198835082470; BR35:82470
TI THE TN-10 ENCODED TET **REPRESSOR-OPERATOR**-INTERACTION IS FUNCTIONAL IN **PLANT** CELLS.
AU GATZ C [Reprint author]
CS INST GENBIOL FORSCHUNG, IHNESTR 63, 1 BERLIN 33 FRG
SO Journal of Cellular Biochemistry Supplement, (1988) No. 12 PART D, pp. 135.
Meeting Info.: SYMPOSIUM ON DNA-PROTEIN INTERACTIONS IN TRANSCRIPTION HELD AT THE 17TH ANNUAL UCLA (UNIVERSITY OF CALIFORNIA-LOS ANGELES) SYMPOSIA ON MOLECULAR AND CELLULAR BIOLOGY, KEYSTONE, COLORADO, USA, APRIL 4-10, 1988. J CELL BIOCHEM SUPPL.
ISSN: 0733-1959.
DT Conference; (Meeting)
FS BR
LA ENGLISH
ED Entered STN: 24 Sep 1988
Last Updated on STN: 24 Sep 1988
- L15 ANSWER 83 OF 89 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
AN 1988:41900 BIOSIS
DN PREV198834018920; BR34:18920
TI THE *ESCHERICHIA-COLI* TET **REPRESSOR-OPERATOR** INTERACTION IS FUNCTIONAL IN **PLANT** CELLS.

AU GATZ C [Reprint author]; QUAIL P H
CS DEP BOTANY, UNIV MADISON-WISCONSIN, BIRGE HALL, MADISON, WIS 53705, USA
SO Biological Chemistry Hoppe-Seyler, (1987) Vol. 368, No. 9, pp. 1044.
Meeting Info.: FALL MEETING OF THE SOCIETY FOR BIOLOGICAL CHEMISTRY,
ERLANGEN, WEST GERMANY, SEPTEMBER 27-30, 1987. BIOL CHEM HOPPE-SEYLER.
CODEN: BCHSEI. ISSN: 0177-3593.
DT Conference; (Meeting)
FS BR
LA ENGLISH
ED Entered STN: 31 Dec 1987
Last Updated on STN: 31 Dec 1987

=> d his

(FILE 'HOME' ENTERED AT 11:37:04 ON 02 MAR 2005)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT
11:37:12 ON 02 MAR 2005

L1 475 S (SHINMYO, A? OR SHINMAYO A?)/AU
L2 475 S (SHINMYO, A? OR SHINMYO A?)/AU
L3 22059 S (KATO, K? OR KATO K?)/AU
L4 21370 S (YAMADA, Y? OR YAMADA Y?)/AU
L5 399 S (NIHIRA, T? OR NIHIRA T?)/AU
L6 1202 S (SHINDO, T? OR SHINDO T?)/AU
L7 1 S L2 AND L3 AND L4 AND L5 AND L6
L8 45068 S L2 OR L3 OR L4 OR L5 OR L6
L9 1 S L8 AND REPRESSOR AND OPERATOR AND PLANT
L10 171 S PLANT AND REPRESSOR AND OPERATOR
L11 170 S L10 NOT L9
L12 5 S L11 AND ACTINOMY?
L13 4 DUPLICATE REMOVE L12 (1 DUPLICATE REMOVED)
L14 165 S L11 NOT L12
L15 89 DUPLICATE REMOVE L14 (76 DUPLICATES REMOVED)

=> s autogenous(w) regulatory(w) factor

L16 0 AUTOGENOUS(W) REGULATORY(W) FACTOR

=> s bara

L17 618 BARA

=> s l17 and streptom?

L18 50 L17 AND STREPTOM?

=> duplicate remove l18

DUPLICATE PREFERENCE IS 'MEDLINE, CAPLUS, BIOSIS, BIOTECHNO'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n

PROCESSING COMPLETED FOR L18

L19 17 DUPLICATE REMOVE L18 (33 DUPLICATES REMOVED)

=> s bara or barb or barx

L20 1622 BARA OR BARB OR BARX

=> s operator and repressor

L21 8197 OPERATOR AND REPRESSOR

=> s l20 and l21

L22 1 L20 AND L21

=> d l22 ti

L22 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN

TI Use of plant and microbial inducer/**repressor/operator**
system for time- and tissue-specific expression of heterologous genes in
plants

=> d l19 1-10 ti

- L19 ANSWER 1 OF 17 CAPLUS COPYRIGHT 2005 ACS on STN
TI **Streptomyces** virginiae barS1 gene coding for a reductase catalyzing the stereospecific biosynthesis of hormone virginiae butanolide
- L19 ANSWER 2 OF 17 MEDLINE on STN DUPLICATE 1
TI Cloning and functional analysis by gene disruption of a gene encoding a gamma-butyrolactone autoregulator receptor from Kitasatospora setae.
- L19 ANSWER 3 OF 17 MEDLINE on STN DUPLICATE 2
TI Identification by gene deletion analysis of barB as a negative regulator controlling an early process of virginiamycin biosynthesis in **Streptomyces** virginiae.
- L19 ANSWER 4 OF 17 MEDLINE on STN DUPLICATE 3
TI barS1, a gene for biosynthesis of a gamma-butyrolactone autoregulator, a microbial signaling molecule eliciting antibiotic production in **Streptomyces** species.
- L19 ANSWER 5 OF 17 CAPLUS COPYRIGHT 2005 ACS on STN
TI Regulation of secondary metabolism in **Streptomyces**. Signal transduction mechanism through γ -butyrolactone autoregulators and their receptors
- L19 ANSWER 6 OF 17 CAPLUS COPYRIGHT 2005 ACS on STN
TI Use of plant and microbial inducer/repressor/operator system for time- and tissue-specific expression of heterologous genes in plants
- L19 ANSWER 7 OF 17 MEDLINE on STN DUPLICATE 4
TI Identification by gene deletion analysis of a regulator, VmsR, that controls virginiamycin biosynthesis in **Streptomyces** virginiae.
- L19 ANSWER 8 OF 17 MEDLINE on STN DUPLICATE 5
TI Identification of an AfsA homologue (BarX) from **Streptomyces** virginiae as a pleiotropic regulator controlling autoregulator biosynthesis, virginiamycin biosynthesis and virginiamycin M1 resistance.
- L19 ANSWER 9 OF 17 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 6
TI A null mutant of the **Streptomyces** virginiae barA gene encoding a butyrolactone autoregulator receptor and its phenotypic and transcriptional analysis
- L19 ANSWER 10 OF 17 MEDLINE on STN DUPLICATE 7
TI Characterization of binding sequences for butyrolactone autoregulator receptors in **streptomycetes**.

=> d l19 9, 10 bib

- L19 ANSWER 9 OF 17 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 6
AN 2000:738077 CAPLUS
DN 134:261795
TI A null mutant of the **Streptomyces** virginiae barA gene encoding a butyrolactone autoregulator receptor and its phenotypic and transcriptional analysis
- AU Nakano, Hiroko; Lee, Chang-Kwon; Nihira, Takuya; Yamada, Yasuhiro
CS Department of Biotechnology, Graduate School of Engineering, Osaka University, Suita, 565-0871, Japan
SO Journal of Bioscience and Bioengineering (2000), 90(2), 204-207
CODEN: JBBIF6; ISSN: 1389-1723
PB Society for Bioscience and Bioengineering, Japan
DT Journal

LA English

RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 10 OF 17 MEDLINE on STN DUPLICATE 7
AN 1999369883 MEDLINE
DN PubMed ID: 10438781
TI Characterization of binding sequences for butyrolactone autoregulator
receptors in **streptomyces**.
AU Kinoshita H; Tsuji T; Ipposhi H; Nihira T; Yamada Y
CS Department of Biotechnology, Graduate School of Engineering, Osaka
University, 2-1 Yamadaoka, Suita, Osaka 565-0871, Japan.
SO Journal of bacteriology, (1999 Aug) 181 (16) 5075-80.
Journal code: 2985120R. ISSN: 0021-9193.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199909
ED Entered STN: 19990921
Last Updated on STN: 19990921
Entered Medline: 19990903

=> d l19 11-17 ti

L19 ANSWER 11 OF 17 MEDLINE on STN DUPLICATE 8
TI Identification and in vivo functional analysis of a virginiamycin S
resistance gene (varS) from **Streptomyces virginiae**.

L19 ANSWER 12 OF 17 MEDLINE on STN DUPLICATE 9
TI Gene replacement analysis of the **Streptomyces virginiae**
barA gene encoding the butyrolactone autoregulator receptor
reveals that **BarA** acts as a repressor in virginiamycin
biosynthesis.

L19 ANSWER 13 OF 17 MEDLINE on STN DUPLICATE 10
TI Butyrolactone autoregulator receptor protein (**BarA**) as a
transcriptional regulator in **Streptomyces virginiae**.

L19 ANSWER 14 OF 17 MEDLINE on STN DUPLICATE 11
TI Cloning and characterization of the gene (farA) encoding the receptor for
an extracellular regulatory factor (IM-2) from **Streptomyces** sp.
strain FRI-5.

L19 ANSWER 15 OF 17 CAPLUS COPYRIGHT 2005 ACS on STN
TI Signal substances of **Streptomyces**

L19 ANSWER 16 OF 17 MEDLINE on STN DUPLICATE 12
TI **virginiae** butanolide binding protein from **Streptomyces**
virginiae. Evidence that VbrA is not the **virginiae** butanolide binding
protein and reidentification of the true binding protein.

L19 ANSWER 17 OF 17 MEDLINE on STN
TI Signal transduction and secondary metabolism: prospects for controlling
productivity.

=> d l19 13, 15, 16, 17 bib

L19 ANSWER 13 OF 17 MEDLINE on STN DUPLICATE 10
AN 1998037495 MEDLINE
DN PubMed ID: 9371444
TI Butyrolactone autoregulator receptor protein (**BarA**) as a
transcriptional regulator in **Streptomyces virginiae**.

AU Kinoshita H; Ipposhi H; Okamoto S; Nakano H; Nihira T; Yamada Y
CS Department of Biotechnology, Graduate School of Engineering, Osaka
University, Suita, Japan.
SO Journal of bacteriology, (1997 Nov) 179 (22) 6986-93.
Journal code: 2985120R. ISSN: 0021-9193.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
OS GENBANK-AB001608; GENBANK-AB001609
EM 199712
ED Entered STN: 19980109
Last Updated on STN: 20000303
Entered Medline: 19971212

L19 ANSWER 15 OF 17 CAPLUS COPYRIGHT 2005 ACS on STN
AN 1996:731491 CAPLUS
DN 126:86827
TI Signal substances of **Streptomyces**
AU Yamada, Yasuhiro
CS Grad. Sch. Eng., Osaka Univ., Suita, 565, Japan
SO Kagaku to Seibutsu (1996), 34(12), 800-804
CODEN: KASEAA; ISSN: 0453-073X
PB Gakkai Shuppan Senta
DT Journal; General Review
LA Japanese

L19 ANSWER 16 OF 17 MEDLINE on STN DUPLICATE 12
AN 95263588 MEDLINE
DN PubMed ID: 7744885
TI Virginiae butanolide binding protein from **Streptomyces**
virginiae. Evidence that VbrA is not the virginiae butanolide binding
protein and reidentification of the true binding protein.
AU Okamoto S; Nakamura K; Nihira T; Yamada Y
CS Department of Biotechnology, Faculty of Engineering, Osaka University,
Japan.
SO Journal of biological chemistry, (1995 May 19) 270 (20) 12319-26.
Journal code: 2985121R. ISSN: 0021-9258.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
OS GENBANK-D32251
EM 199506
ED Entered STN: 19950621
Last Updated on STN: 19950621
Entered Medline: 19950612

L19 ANSWER 17 OF 17 MEDLINE on STN
AN 95374717 MEDLINE
DN PubMed ID: 7646849
TI Signal transduction and secondary metabolism: prospects for controlling
productivity.
AU Beppu T
CS Department of Applied Biological Science, College of Agriculture and
Veterinary Medicine, Nihon University, Fujisawa, Japan.
SO Trends in biotechnology, (1995 Jul) 13 (7) 264-9. Ref: 34
Journal code: 8310903. ISSN: 0167-7799.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
LA English
FS Biotechnology
EM 199509
ED Entered STN: 19951005

Last Updated on STN: 19970203
Entered Medline: 19950927

=> d his

(FILE 'HOME' ENTERED AT 11:37:04 ON 02 MAR 2005)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT
11:37:12 ON 02 MAR 2005

L1 475 S (SHINMYO, A? OR SHINMAYO A?)/AU
L2 475 S (SHINMYO, A? OR SHINMYO A?)/AU
L3 22059 S (KATO, K? OR KATO K?)/AU
L4 21370 S (YAMADA, Y? OR YAMADA Y?)/AU
L5 399 S (NIHIRA, T? OR NIHIRA T?)/AU
L6 1202 S (SHINDO, T? OR SHINDO T?)/AU
L7 1 S L2 AND L3 AND L4 AND L5 AND L6
L8 45068 S L2 OR L3 OR L4 OR L5 OR L6
L9 1 S L8 AND REPRESSOR AND OPERATOR AND PLANT
L10 171 S PLANT AND REPRESSOR AND OPERATOR
L11 170 S L10 NOT L9
L12 5 S L11 AND ACTINOMY?
L13 4 DUPLICATE REMOVE L12 (1 DUPLICATE REMOVED)
L14 165 S L11 NOT L12
L15 89 DUPLICATE REMOVE L14 (76 DUPLICATES REMOVED)
L16 0 S AUTOGENOUS(W) REGULATORY(W) FACTOR
L17 618 S BARA
L18 50 S L17 AND STREPTOM?
L19 17 DUPLICATE REMOVE L18 (33 DUPLICATES REMOVED)
L20 1622 S BARA OR BARB OR BARX
L21 8197 S OPERATOR AND REPRESSOR
L22 1 S L20 AND L21

=> butyrolactone(w)autoregulator(w)receptor

BUTYROLACTONE(W)AUTOREGULATOR(W)RECEPTOR IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s butyrolactone(w)autoregulator(w)receptor

L23 38 BUTYROLACTONE(W) AUTOREGULATOR(W) RECEPTOR

=> s l23 not l18

L24 21 L23 NOT L18

=> duplicate remove l24

DUPLICATE PREFERENCE IS 'MEDLINE, CAPLUS, BIOSIS, BIOTECHNO'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L24

L25 8 DUPLICATE REMOVE L24 (13 DUPLICATES REMOVED)

=> d l25 1-8 ti

L25 ANSWER 1 OF 8 MEDLINE on STN DUPLICATE 1
TI Crystal structure of a gamma-**butyrolactone autoregulator**
receptor protein in Streptomyces coelicolor A3(2).

L25 ANSWER 2 OF 8 MEDLINE on STN DUPLICATE 2
TI Cloning and characterization of a gene encoding the gamma-
butyrolactone autoregulator receptor from
Streptomyces clavuligerus.

L25 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN
TI γ -Butyrolactone autoregulators and receptor proteins in
non-Streptomyces actinomycetes producing commercially important secondary

metabolites

- L25 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN
TI Cloning of the autoregulator receptor gene from *Saccharopolyspora erythraea* IFO 13426
- L25 ANSWER 5 OF 8 MEDLINE on STN DUPLICATE 3
TI Gene replacement analysis of the **butyrolactone autoregulator receptor** (FarA) reveals that FarA acts as a Novel regulator in secondary metabolism of *Streptomyces lavendulae* FRI-5.
- L25 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN
TI Regulation of secondary metabolism in streptomycetes. Present status and future scope for studies on γ -butyrolactone autoregulators
- L25 ANSWER 7 OF 8 MEDLINE on STN DUPLICATE 4
TI In vitro analysis of the **butyrolactone autoregulator receptor** protein (FarA) of *Streptomyces lavendulae* FRI-5 reveals that FarA acts as a DNA-binding transcriptional regulator that controls its own synthesis.
- L25 ANSWER 8 OF 8 MEDLINE on STN DUPLICATE 5
TI Purification and molecular cloning of a **butyrolactone autoregulator receptor** from *Streptomyces virginiae*.

=> d l25 1-3, 5-8 bib

- L25 ANSWER 1 OF 8 MEDLINE on STN DUPLICATE 1
AN 2004056676 MEDLINE
DN PubMed ID: 14757054
TI Crystal structure of a **gamma-butyrolactone autoregulator receptor** protein in *Streptomyces coelicolor* A3(2).
AU Natsume Ryo; Ohnishi Yasuo; Senda Toshiya; Horinouchi Sueharu
CS Department of Biotechnology, Graduate School of Agriculture and Life Sciences, The University of Tokyo, 1-1-1 Yayoi, Bunkyo-ku, 113-8657, Tokyo, Japan.
SO Journal of molecular biology, (2004 Feb 13) 336 (2) 409-19.
Journal code: 2985088R. ISSN: 0022-2836.
CY England: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
OS PDB-1UI5; PDB-1UI6
EM 200403
ED Entered STN: 20040204
Last Updated on STN: 20040304
Entered Medline: 20040303
- L25 ANSWER 2 OF 8 MEDLINE on STN DUPLICATE 2
AN 2004411085 MEDLINE
DN PubMed ID: 15257430
TI Cloning and characterization of a gene encoding the **gamma-butyrolactone autoregulator receptor** from *Streptomyces clavuligerus*.
AU Kim Hyun Soo; Lee Yong Jik; Lee Chang Kwon; Choi Sun Uk; Yeo Soo-Hwan; Hwang Yong Il; Yu Tae Shick; Kinoshita Hiroshi; Nihira Takuya
CS Department of Microbiology, Keimyung University, 1000 Shindang-dong, 704-701, Daegu, South Korea.
SO Archives of microbiology, (2004 Sep) 182 (1) 44-50. Electronic Publication: 2004-07-15.
Journal code: 0410427. ISSN: 0302-8933.
CY Germany: Germany, Federal Republic of
DT Journal; Article; (JOURNAL ARTICLE)

LA English
FS Priority Journals
EM 200411
ED Entered STN: 20040819
Last Updated on STN: 20041219
Entered Medline: 20041119

L25 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2003:770489 CAPLUS
DN 140:127253
TI γ -Butyrolactone autoregulators and receptor proteins in
non-Streptomyces actinomycetes producing commercially important secondary
metabolites
AU Choi, Sun-Uk; Lee, Chang-Kwon; Hwang, Yong-Il; Kinoshita, Hiroshi; Nihira,
Takuya
CS International Center for Biotechnology, Osaka University, Suita, Osaka,
565-0871, Japan
SO Archives of Microbiology (2003), 180(4), 303-307
CODEN: AMICCW; ISSN: 0302-8933
PB : Springer-Verlag
DT Journal
LA English
RE.CNT 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L25 ANSWER 5 OF 8 MEDLINE on STN DUPLICATE 3
AN 2001357787 MEDLINE
DN PubMed ID: 11418577
TI Gene replacement analysis of the **butyrolactone
autoregulator receptor** (FarA) reveals that FarA acts as
a Novel regulator in secondary metabolism of Streptomyces lavendulae
FRI-5.
AU Kitani S; Yamada Y; Nihira T
CS Department of Biotechnology, Graduate School of Engineering, Osaka
University, 2-1 Yamadaoka, Suita, Osaka 565-0871, Japan.
SO Journal of bacteriology, (2001 Jul) 183 (14) 4357-63.
Journal code: 2985120R. ISSN: 0021-9193.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200108
ED Entered STN: 20010813
Last Updated on STN: 20010813
Entered Medline: 20010809

L25 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2001:645875 CAPLUS
DN 135:238986
TI Regulation of secondary metabolism in streptomycetes. Present status and
future scope for studies on γ -butyrolactone autoregulators
AU Nihira, Takuya
CS Grad. Sch. Eng., Osaka Univ., Suita, 565-0871, Japan
SO Baioaiensu to Indasutori (2001), 59(8), 515-520
CODEN: BIDSE6; ISSN: 0914-8981
PB Baioindasutori Kyokai
DT Journal; General Review
LA Japanese

L25 ANSWER 7 OF 8 MEDLINE on STN DUPLICATE 4
AN 1999369884 MEDLINE
DN PubMed ID: 10438782
TI In vitro analysis of the **butyrolactone autoregulator
receptor** protein (FarA) of Streptomyces lavendulae FRI-5 reveals
that FarA acts as a DNA-binding transcriptional regulator that controls

its own synthesis.

AU Kitani S; Kinoshita H; Nihira T; Yamada Y
 CS Department of Biotechnology, Graduate School of Engineering, Osaka
 University, 2-1 Yamadaoka, Suita, Osaka 565-0871, Japan.
 SO Journal of bacteriology, (1999 Aug) 181 (16) 5081-4.
 Journal code: 2985120R. ISSN: 0021-9193.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 OS GENBANK-AB001683
 EM 199909
 ED Entered STN: 19990921
 Last Updated on STN: 19990921
 Entered Medline: 19990903

L25 ANSWER 8 OF 8 MEDLINE on STN DUPLICATE 5
 AN 92112747 MEDLINE
 DN PubMed ID: 1309760
 TI Purification and molecular cloning of a **butyrolactone
 autoregulator receptor** from *Streptomyces virginiae*.
 AU Okamoto S; Nihira T; Kataoka H; Suzuki A; Yamada Y
 CS Department of Biotechnology, Faculty of Engineering, Osaka University,
 Japan.
 SO Journal of biological chemistry, (1992 Jan 15) 267 (2) 1093-8.
 Journal code: 2985121R. ISSN: 0021-9258.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 OS GENBANK-D10468; GENBANK-D10469; GENBANK-D90511; GENBANK-D90512;
 GENBANK-L01141; GENBANK-M86711; GENBANK-M87859; GENBANK-M87860;
 GENBANK-S96735; GENBANK-S96741; GENBANK-S96751; GENBANK-S96754
 EM 199202
 ED Entered STN: 19920308
 Last Updated on STN: 19920308
 Entered Medline: 19920214

=> d his

(FILE 'HOME' ENTERED AT 11:37:04 ON 02 MAR 2005)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT
 11:37:12 ON 02 MAR 2005

L1 475 S (SHINMYO, A? OR SHINMAYO A?)/AU
 L2 475 S (SHINMYO, A? OR SHINMYO A?)/AU
 L3 22059 S (KATO, K? OR KATO K?)/AU
 L4 21370 S (YAMADA, Y? OR YAMADA Y?)/AU
 L5 399 S (NIHIRA, T? OR NIHIRA T?)/AU
 L6 1202 S (SHINDO, T? OR SHINDO T?)/AU
 L7 1 S L2 AND L3 AND L4 AND L5 AND L6
 L8 45068 S L2 OR L3 OR L4 OR L5 OR L6
 L9 1 S L8 AND REPRESSOR AND OPERATOR AND PLANT
 L10 171 S PLANT AND REPRESSOR AND OPERATOR
 L11 170 S L10 NOT L9
 L12 5 S L11 AND ACTINOMY?
 L13 4 DUPLICATE REMOVE L12 (1 DUPLICATE REMOVED)
 L14 165 S L11 NOT L12
 L15 89 DUPLICATE REMOVE L14 (76 DUPLICATES REMOVED)
 L16 0 S AUTOGENOUS (W) REGULATORY (W) FACTOR
 L17 618 S BARA
 L18 50 S L17 AND STREPTOM?
 L19 17 DUPLICATE REMOVE L18 (33 DUPLICATES REMOVED)
 L20 1622 S BARA OR BARB OR BARX

L21 8197 S OPERATOR AND REPRESSOR
 L22 1 S L20 AND L21
 L23 38 S BUTYROLACTONE (W) AUTOREGULATOR (W) RECEPTOR
 L24 21 S L23 NOT L18
 L25 8 DUPLICATE REMOVE L24 (13 DUPLICATES REMOVED)

=> file uspatfull

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	151.91	152.12
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FILE 'USPATFULL' ENTERED AT 11:59:50 ON 02 MAR 2005
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FILE COVERS 1971 TO PATENT PUBLICATION DATE: 1 Mar 2005 (20050301/PD)
 FILE LAST UPDATED: 1 Mar 2005 (20050301/ED)
 HIGHEST GRANTED PATENT NUMBER: US6862742
 HIGHEST APPLICATION PUBLICATION NUMBER: US2005044601
 CA INDEXING IS CURRENT THROUGH 1 Mar 2005 (20050301/UPCA)
 ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 1 Mar 2005 (20050301/PD)
 REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2004
 USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2004

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 >>> publications, starting in 2001, for the inventions covered in <<<
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 >>> /PK, etc. <<<

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This file contains CAS Registry Numbers for easy and accurate
 substance identification.

=> s 17

7 SHINMYO, A?/AU
 7 SHINMYO A?/AU
 1694 KATO, K?/AU
 1694 KATO K?/AU
 1829 YAMADA, Y?/AU
 1829 YAMADA Y?/AU
 20 NIHIRA, T?/AU
 20 NIHIRA T?/AU
 108 SHINDO, T?/AU
 108 SHINDO T?/AU
 L26 1 L2 AND L3 AND L4 AND L5 AND L6

=> d 126 bib

L26 ANSWER 1 OF 1 USPATFULL on STN
 AN 2003:182812 USPATFULL
 TI Method of inducing gene expression in plant and the plant
 IN Shinmyo, Atsuhiko, Nara, JAPAN
 Kato, Kou, Kyoto, JAPAN
 Yamada, Yasuhiro, Osaka, JAPAN
 Nihira, Takuya, Kyoto, JAPAN
 Shindo, Takuya, Hyogo, JAPAN
 PI US 2003126648 A1 20030703
 AI US 2002-49710 A1 20020904 (10)
 WO 2001-JP5096 20010615
 PRAI JP 2000-180466 20000615
 DT Utility
 FS APPLICATION
 LREP BRINKS HOFER GILSON & LIONE, P.O. BOX 10395, CHICAGO, IL, 60611
 CLMN Number of Claims: 37
 ECL Exemplary Claim: 1
 DRWN 4 Drawing Page(s)
 LN.CNT 1594
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> s 18

7 SHINMYO, A?/AU
 7 SHINMYO A?/AU
 1694 KATO, K?/AU
 1694 KATO K?/AU
 1829 YAMADA, Y?/AU
 1829 YAMADA Y?/AU
 20 NIHIRA, T?/AU
 20 NIHIRA T?/AU
 108 SHINDO, T?/AU
 108 SHINDO T?/AU
 L27 3637 L2 OR L3 OR L4 OR L5 OR L6

=> d his

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FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT 11:37:12 ON 02 MAR 2005

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 L6 1202 S (SHINDO, T? OR SHINDO T?)/AU
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 L8 45068 S L2 OR L3 OR L4 OR L5 OR L6
 L9 1 S L8 AND REPRESSOR AND OPERATOR AND PLANT
 L10 171 S PLANT AND REPRESSOR AND OPERATOR
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 L24 21 S L23 NOT L18

L25 8 DUPLICATE REMOVE L24 (13 DUPLICATES REMOVED)

FILE 'USPATFULL' ENTERED AT 11:59:50 ON 02 MAR 2005

L26 1 S L7
L27 3637 S L8

=> s l27 and l23

13777 BUTYROLACTONE
10 AUTOREGULATOR
107509 RECEPTOR
1 BUTYROLACTONE(W) AUTOREGULATOR(W) RECEPTOR
L28 0 L27 AND L23

=> s l27 and bara

497 BARA
L29 1 L27 AND BARA

=> s l29 not l26

L30 0 L29 NOT L26

=> s l23

13777 BUTYROLACTONE
10 AUTOREGULATOR
107509 RECEPTOR
L31 1 BUTYROLACTONE(W) AUTOREGULATOR(W) RECEPTOR

=> d l31 ti

L31 ANSWER 1 OF 1 USPATFULL on STN

TI Methods and materials relating to gene expression

=> d l31 bib

L31 ANSWER 1 OF 1 USPATFULL on STN

AN 2004:114123 USPATFULL

TI Methods and materials relating to gene expression

IN Chater, Keith Frederick, Norwich, UNITED KINGDOM

Bruton, Celia Joyce, Norwich, UNITED KINGDOM

O'Rourke, Sean Joseph, Cork, IRELAND

PI US 2004086962 A1 20040506

AI US 2002-168663 A1 20021025 (10)

WO 2000-GB4972 20001220

PRAI GB 1999-30477 19991223

DT Utility

FS APPLICATION

LREP DANN, DORFMAN, HERRELL & SKILLMAN, 1601 MARKET STREET, SUITE 2400,
PHILADELPHIA, PA, 19103-2307

CLMN Number of Claims: 63

ECL Exemplary Claim: 1

DRWN 29 Drawing Page(s)

LN.CNT 3825

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> s bara and streptomycs

497 BARA
18745 STREPTOMYCES
L32 44 BARA AND STREPTOMYCES

=> s l32 and operator and repressor

475361 OPERATOR
11662 REPRESSOR
L33 26 L32 AND OPERATOR AND REPRESSOR

=> d 133 1-10 ti

L33 ANSWER 1 OF 26 USPATFULL on STN
TI Beta chain-associated regulator of apoptosis

L33 ANSWER 2 OF 26 USPATFULL on STN
TI Poroplasts

L33 ANSWER 3 OF 26 USPATFULL on STN
TI Minicell-based screening for compounds and proteins that modulate the activity of signalling proteins

L33 ANSWER 4 OF 26 USPATFULL on STN
TI Antibodies to native conformations of membrane proteins

L33 ANSWER 5 OF 26 USPATFULL on STN
TI Reverse screening and target identification with minicells

L33 ANSWER 6 OF 26 USPATFULL on STN
TI Minicell-based bioremediation

L33 ANSWER 7 OF 26 USPATFULL on STN
TI Methods of making pharmaceutical compositions with minicells

L33 ANSWER 8 OF 26 USPATFULL on STN
TI Minicell-based delivery agents

L33 ANSWER 9 OF 26 USPATFULL on STN
TI Minicell-based selective absorption

L33 ANSWER 10 OF 26 USPATFULL on STN
TI Pharmaceutical compositions with minicells

=> d 133 11-20 ti

L33 ANSWER 11 OF 26 USPATFULL on STN
TI Conjugated minicells

L33 ANSWER 12 OF 26 USPATFULL on STN
TI Methods of minicell-based delivery

L33 ANSWER 13 OF 26 USPATFULL on STN
TI Minicell-based diagnostics

L33 ANSWER 14 OF 26 USPATFULL on STN
TI Membrane to membrane delivery

L33 ANSWER 15 OF 26 USPATFULL on STN
TI Minicell-based gene therapy

L33 ANSWER 16 OF 26 USPATFULL on STN
TI Solid supports with minicells

L33 ANSWER 17 OF 26 USPATFULL on STN
TI Minicell libraries

L33 ANSWER 18 OF 26 USPATFULL on STN
TI Forward screening with minicells

L33 ANSWER 19 OF 26 USPATFULL on STN
TI Minicell compositions and methods

L33 ANSWER 20 OF 26 USPATFULL on STN
TI Minicell-based transformation

=> d 133 21-26 ti

L33 ANSWER 21 OF 26 USPATFULL on STN
TI Minicell-producing parent cells

L33 ANSWER 22 OF 26 USPATFULL on STN
TI Minicell-based rational drug design

L33 ANSWER 23 OF 26 USPATFULL on STN
TI Target display on minicells

L33 ANSWER 24 OF 26 USPATFULL on STN
TI Minicell-based transfection

L33 ANSWER 25 OF 26 USPATFULL on STN
TI Minicells comprising membrane proteins

L33 ANSWER 26 OF 26 USPATFULL on STN
TI Method of inducing gene expression in plant and the plant

=> d 133 bib

L33 ANSWER 1 OF 26 USPATFULL on STN
AN 2004:33048 USPATFULL
TI Beta chain-associated regulator of apoptosis
IN Colamonic, Oscar, Chicago, IL, UNITED STATES
Siddiqui, Shahid, Wilmette, IL, UNITED STATES
PA Board of Trustees of the University of Illinois, Urbana, IL, 61801 (U.S. corporation)
PI US 2004025194 A1 20040205
AI US 2003-373228 A1 20030224 (10)
PRAI US 2002-359144P 20020222 (60)
DT Utility
FS APPLICATION
LREP MCDONNELL BOEHNEN HULBERT & BERGHOFF, 300 SOUTH WACKER DRIVE, SUITE 3200, CHICAGO, IL, 60606
CLMN Number of Claims: 67
ECL Exemplary Claim: 1
DRWN 18 Drawing Page(s)
LN.CNT 4431
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 133 26 bib

L33 ANSWER 26 OF 26 USPATFULL on STN
AN 2003:182812 USPATFULL
TI Method of inducing gene expression in plant and the plant
IN Shinmyo, Atsuhiko, Nara, JAPAN
Kato, Kou, Kyoto, JAPAN
Yamada, Yasuhiro, Osaka, JAPAN
Nihira, Takuya, Kyoto, JAPAN
Shindo, Takuya, Hyogo, JAPAN
PI US 2003126648 A1 20030703
AI US 2002-49710 A1 20020904 (10)
WO 2001-JP5096 20010615
PRAI JP 2000-180466 20000615
DT Utility
FS APPLICATION
LREP BRINKS HOFER GILSON & LIONE, P.O. BOX 10395, CHICAGO, IL, 60611
CLMN Number of Claims: 37
ECL Exemplary Claim: 1

DRWN 4 Drawing Page(s)
LN.CNT 1594
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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L26 1 S L7
L27 3637 S L8
L28 0 S L27 AND L23
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L30 0 S L29 NOT L26
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L32 44 S BARA AND STREPTOMYCES
L33 26 S L32 AND OPERATOR AND REPRESSOR

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LOGOFF? (Y)/N/HOLD:y

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FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

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